

# **EPA Registration Jacket # 74468-11**

# ISB'S Front-end PRIA Completeness Screen

Draft 3; 10/25/07

EPA Receipt Date: <i>4/10/09</i>		EPA Reg. Number: <i>74468-RR</i>		
	Check List Item	Yes	No	N/A
1	Has the <b>PRIA Fee been Paid</b> ; is a copy of the check or Pay.gov receipt included in the Submission Package?			
2	Is an <b>Application Form</b> (EPA Form 8570-1) Included in the Submission Package, is it completely filled out and signed including package type?			
3	Is a <b>Confidential Statement of Formula</b> (EPA Form 8570-29) Included in the Submission Package, is it completely filled out and signed (boxes 1-21)?	X		
4	Is a <b>Formulator's Exemption Statement</b> (EPA Form 8570-27) Included in the Submission Package?	X		
5	Is a <b>Certification with Respect to Citation of Data</b> (EPA Form 8570-34) Included in the Submission Package?	X		
6	Is a <b>Data Matrix</b> (EPA Form 8570-35) Included in the Submission Package?	X		
7	Is a <b>Label</b> Included in the Submission Package?			
8	Are <b>Data</b> Included in the Submission Package?			
9	Is the Submission an Amendment?			

# Material to be added to an e-Jacket/Jacket

Reg. No. 74468-11

Description: Notification

1. ☒ Placement within the e-Jacket/jacket:
- ☒ Default: (chronological, top = newest)
  - ☐ File Location: (PDF page number, i.e., "before page 45")

2. ☒ Send to Data Extraction contractors this material:

- ☐ Newly stamped accepted label
- ☒ Notification
- ☐ New CSF
- ☐ Other: \_\_\_\_\_

3. Attach this coversheet to the top of the material or jacket. It must be well organized and clipped together, NOT STAPLED. Then give the material with this coversheet to staff in the Information Services Center (Room S-4900).

Reviewer's Name: Banza Djapao

Phone: 35-7269 Division: RD

Date: 4/29/10



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms Jane M. Miller  
ProActive , LLC  
P.O.BOX 5068  
Brookfield, CT 06804

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 dated March 11, 2010 for:

**EPA Registration 74468-11      Pre-Amine 65 WDG**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and finds that the label change(s) requested falls within the scope of PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

March 31, 2010

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

Attention: Ms. K. Montague (PM #23)

RE: "Pre-Amine 65 WDG"; EPA Reg. No. 74468-11  
Notification to revise Storage and Disposal Statement

Dear Ms. Montague:

On behalf of ProActive LLC please find enclosed an Application for Pesticide Notification for the above mentioned product. The purpose of this notification is to update the Storage & Disposal section as per PR-Notice 2007-4 as stated below:

"Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."

The following documents are enclosed to process this Notification:

1. Application for Pesticide Notification (8570-1)
2. One (1) copy of the draft label with the additional language underlined and the deleted text lined out.
3. One (1) copy of clean draft labeling.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

Jane Miller  
Agent to ProActive, LLC



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 74468-11	2. EPA Product Manager K. Montague	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Pre-Amine 65 WDG	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) ProActive, LLC P.O. Box 5068 Brookfield, CT 06804 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  APR 23 2010
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 5, 10 lbs.		5. Location of Label Directions <input checked="" type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) (203) 740-1200	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date March 31, 2010			

Booklet

# PRE-AMINE 65 WDG

NOTIFICATION

## Herbicide

APR 23 2010

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients:..... 35.0%

Total: ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-11

EPA Est. No. XXXXX-XX-XX

Product of China or India  
Formulated in the USA

Net Weight: \_ 5 lbs. \_\_\_\_\_ 10 lbs.

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b></p> <p align="center">For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-222-1222</b></p>	

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## PRECAUTIONARY STATEMENTS

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### Hazards to Humans and Domestic Animals

## CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (such as natural rubber, Selection Chart A).

**Personal Protective Equipment**

**WPS Uses:** Applicators, mixers, loaders, and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural-plant uses are covered - must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as butyl > 14 mils, or neoprene rubber > 14 mils, or nitrile rubber > 14 mils (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations****Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- After handling this product immediately remove PPE, wash yourself thoroughly and change into clean clothing.

**Environmental Hazards**

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwater or rinsate.

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.** Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Non-refillable containers.** Do not reuse or refill this container. **Paper and plastic film bags or boxes** — Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners** — Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner at an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable Plastic containers** - Do not re-use or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling if available, or dispose of empty container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Containers Less than 5 gallons** — Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

### Chemigation

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

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**GENERAL INFORMATION**

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**WHERE TO USE**

PRE-AMINE 65 WDG is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Established perennial and wildflower plantings
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

**HOW PRE-AMINE 65 WDG WORKS**

PRE-AMINE 65 WDG controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when PRE-AMINE 65 WDG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

**USE PRECAUTIONS**

1. Do not graze or feed livestock forage cut from areas treated with PRE-AMINE 65 WDG.
2. Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
3. Do not blend PRE-AMINE 65 WDG onto dry fertilizer or any other granular material.
4. **Chemigation:** Do not apply this product through any type of irrigation system unless instructed otherwise in this label.
5. Do not apply aerially.
6. Do not apply to golf course putting greens.

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**MIXING AND APPLICATION PROCEDURES**

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**MIXING PRE-AMINE 65 WDG ALONE**

PRE-AMINE 65 WDG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps.

1. Fill the spray tank  $\frac{1}{4}$  full with clean water only.
2. Start agitation and check to ensure it is working properly.
3. For tank mixing instructions, refer to the section "**Mixing Order for Tank Mixtures.**"
4. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well-mixed spray suspension. If PRE-AMINE 65 WDG was mixed with fertilizer in the spray tank, the fertilizer may aid resuspension of PRE-AMINE 65 WDG if agitation is disrupted. However, it is recommended that the entire tank be used before stopping agitation.
5. A spray colorant may be used with PRE-AMINE 65 WDG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
6. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent.
7. Refer to the **Pesticide Disposal** section of this label for waste disposal. Do not allow spray suspension to dry in the tank.

**TANK MIXING PRE-AMINE 65 WDG**

PRE-AMINE 65 WDG may be tank mixed with certain other EPA-registered herbicides to provide a broader spectrum of weed control or to control emerged weeds. Refer to the specific directions for use for tank mix partners, and refer to the label(s) of the individual tank mix partner(s) for use rate, application timing, weeds controlled, and specific precautions and/or restrictions. Tank mixes are permitted only in states where the tank mix partner(s) are registered for the application site and the turf and ornamental species listed. When using PRE-AMINE 65 WDG in a tank mixture with other pesticides, follow restrictions and precautions on the labels of the products used.

Before tank mixing pesticides, test compatibility by mixing the products in a small container first. See the **Compatibility Test** section.

**COMPATIBILITY TEST**

Before mixing PRE-AMINE 65 WDG with other pesticides in the spray tank, test for compatibility by mixing all components (carrier and pesticide products) in an appropriate container in proportionate quantities. For example, 1 qt. would be 1/100th the volume of a 25 gals./A spray rate. At 1.0 lb./A, the PRE-AMINE 65 WDG rate would be proportional to 4.5 grams per quart. Add approximately 1.5 teaspoons to a quart of water. Calculate amounts for the other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./A of a dry formulation and 0.5 teaspoons for each pt./A of a liquid formulation. (See following table)

**Amount of Component to Add to One Quart of Spray Carrier**  
(Assuming Carrier Volume of 25 gals./A)

<b>Component Formulations</b>	<b>Rate Per</b>		<b>Level Teaspoons</b>
	<b>Acre</b>	<b>1,000 sq. ft.</b>	
PRE-AMINE 65 WDG	1.0 lb.	0.4 oz	1.5
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5

If components do not ball-up or form flakes, sludge, gels, oily films, or layers, then the mixture is compatible. Let the mixture stand for 15 minutes. Incompatibility will usually occur within 5 minutes after mixing. If components are not compatible, use a compatibility agent and rerun the test to determine if the mixture is suitable. If the components are still not compatible, do not tank mix.

**MIXING ORDER FOR TANK MIXTURES**

**Notes:** (1) When mixing PRE-AMINE 65 WDG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is important when tank mixing with ester formulations. (2) Maintain agitation throughout mixing and application of the mixture.

**Add the products to the spray tank in the following order:**

1. Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the products to disperse before adding any other tank mix partner.
2. Then add water-dispersible granules (WDG or WG formulations) and wettable powders (WP formulations). Add wettable powders to the tank as agitation continues. Allow the product to disperse completely before other products are added.
3. Add spray adjuvants and spray markers. Read the adjuvant's label first and use only those adjuvants approved for application to turf and ornamentals.
4. Add PRE-AMINE 65 WDG, other flowable liquids (FL) or suspension concentrates (SC).
5. Add emulsifiable concentrates (EC) last.

## APPLICATION

Apply PRE-AMINE 65 WDG in a minimum of 20 gals./A (0.5 gal./1,000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

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## SPECIFIC USE DIRECTIONS

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### ESTABLISHED TURF

PRE-AMINE 65 WDG is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

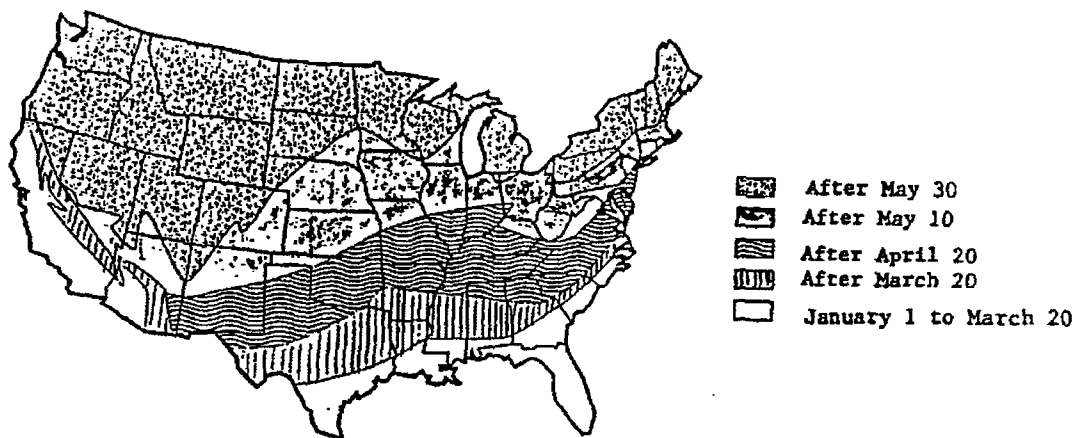
- Golf courses **excluding** putting greens
- Lawns
- Sod nurseries

The maximum amount of PRE-AMINE 65 WDG that may be applied per year is given for each turfgrass species in the **Annual Use Rates** section of this label.

For optimum weed control, PRE-AMINE 65 WDG should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

### Crabgrass Seed Germination Dates

Approximate Date



**Use Precautions - Turfgrass: Golf Courses, Lawns, and Sod Nurseries**

1. Do not apply PRE-AMINE 65 WDG to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.
2. Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
3. To avoid turfgrass injury do not apply PRE-AMINE 65 WDG to turf stressed by conditions such as drought, low fertility, or pest damage.
4. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
5. **Do not apply PRE-AMINE 65 WDG to golf course putting greens.**
6. If you consistently mow creeping bentgrass at a height of less than 0.5 inch do not apply PRE-AMINE 65 WDG.

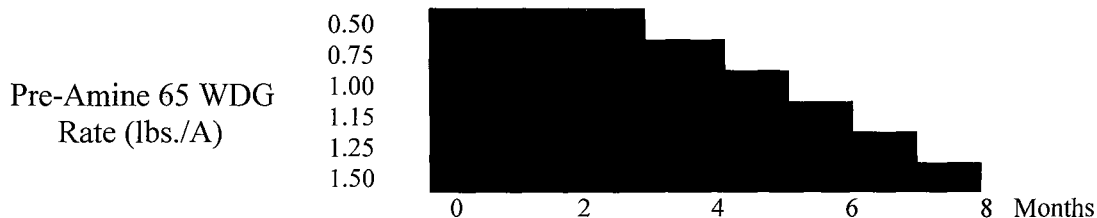
**Application Timing And Rate - Turfgrass**

PRE-AMINE 65 WDG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made before target weeds germinate because **PRE-AMINE 65 WDG will not control weeds that have already emerged.**

The amount of PRE-AMINE 65 WDG to apply depends upon:

1. the length of residual weed control desired (the higher the application rate, the longer the control),
2. the turf species,
3. the maximum amount which can be applied to the turf species per calendar year.

(See the next 2 tables.)

**Length of Crabgrass Control \***

\* Length of control varies by region. This table is an average for planning purposes.

**Annual Use Rates - Turfgrass**

PRE-AMINE 65 WDG can be applied to the turfgrass species listed in the following table.

**Note:** Do not apply more than the highest rate listed for each species in a calendar year.

<b>Maximum Application Rate of PRE-AMINE Per Calendar Year by Turf Species.</b>		
<b>Turf Species</b>	<b>Lbs. Product/A</b>	<b>Wt. Oz. Product/1,000 sq. ft.</b>
Bermudagrass <sup>2</sup> Bahia grass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.00-2.30 <sup>1</sup>	0.36-0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.50-1.50 <sup>1</sup>	0.185-0.55
Fine Fescue	0.50-1.15 <sup>1</sup>	0.185-0.42
Creeping Bentgrass (0.5 inch or more in height <sup>4</sup> )	0.50-1.00 <sup>1</sup>	0.185-0.37

<sup>1</sup> PRE-AMINE 65 WDG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.

<sup>2</sup> May be used on newly sprigged or plugged bermudagrass at rates not to exceed 0.80 lbs./A (0.30 wt. oz./1,000 sq. ft.). Newly sprigged or plugged bermudagrass stolon rooting may be temporarily inhibited.

<sup>3</sup> Use an initial rate of 0.75-1.50 lbs./A per application.

<sup>4</sup> To avoid grass injury, do not apply PRE-AMINE 65 WDG to creeping bentgrass mowed at less than 0.5 inch in height.

## Weeds Controlled

When used as directed in this label, PRE-AMINE 65 WDG will control the following weeds:

Barnyardgrass	Kochia
Bluegrass, Annual ( <i>Poa annua</i> ) <sup>1</sup>	Lambsquarters, Common
Carpetweed	Panicum (Texas, Fall, Browntop)
Chickweed, Common <sup>2</sup>	Pigweed
Chickweed, Mouseear (from seed)	Purslane, Common
Crabgrass (Large, Smooth) <sup>3</sup>	Pusley, Florida
Crowfootgrass	Rescuegrass <sup>4</sup>
Cupgrass, Woolly	Shepherdspurse <sup>2</sup>
Foxtails, Annual	Signalgrass, Broadleaf
Goosegrass <sup>5</sup>	Speedwell, Persian
Henbit <sup>2</sup>	Sprangletop
Itchgrass	Spurge, Prostrate
Johnsongrass (from seed)	Witchgrass
Junglerice	Woodsorrel, Yellow (from seed)
Knotweed <sup>2</sup>	

<sup>1</sup> In those areas where *Poa annua* is a winter annual, apply PRE-AMINE 65 WDG (see rate table) in August or September to established, non-overseeded turf before *Poa annua* seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label ***Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX Only)**

<sup>2</sup> To control this weed, apply PRE-AMINE 65 WDG in late summer, fall, or winter before weeds germinate.

<sup>3</sup> **Fall Applications for Spring Crabgrass Control in Cool-Season Grasses:**  
In those areas where the ground freezes in the winter, PRE-AMINE 65 WDG can be applied in the fall at rates of 1.00-1.15 lbs./A after soil temperatures fall below 50°F, but before the ground freezes. This application will control crabgrass the following spring.

<sup>4</sup> Suppression only.

<sup>5</sup> In many areas a single application of 1.00-2.30 lbs./A of PRE-AMINE 65 WDG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, weed control will be most effective by making an initial application of 1.00-1.50 lbs./A followed by a second application 60-90 days later. **Note: Do not exceed** the maximum rate for the turf species listed in the **Maximum Application Rates Table**.

## When to Apply PRE-AMINE 65 WDG After Overseeding Turf

Injury to desirable seedlings is likely if PRE-AMINE 65 WDG is applied before the secondary roots of seedlings are in the second inch of soil, not thatch plus soil. To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying PRE-AMINE 65 WDG.

**When to Overseed After Application - All States**

PRE-AMINE 65 WDG will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

\*Note: In AZ, CA, NV, and TX the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section, ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).**

Amount of PRE-AMINE 65 WDG Lbs. Product/A	Interval (Months Before Overseeding)*		
	North	Transition	South
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25	---	6	6
1.50	---	7	7
1.75	---	---	9
2.00	---	---	10
2.30	--	---	12

***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)**

Use on golf courses (excluding golf course putting greens), lawns, and sod nurseries when overseeding with perennial rye grass. (Minimum seeding rate of 350 Lbs./A.)

**How Much PRE-AMINE 65 WDG and When to Apply**

Amount to Apply	When to Apply	Expected Control	Use Precautions
0.58 to 1.00 lbs./A *	<b>First Application:</b> 6 to 8 weeks <b>before</b> ryegrass overseeding  <b>Second Application:</b> 4 to 8 weeks <b>after</b> overseeding or when perennial ryegrass roots are in the second inch of soil	1 application for 70% or greater control for <i>poa annua</i>  Second application may enhance control	1. Some seedling mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seedling mortality 3. Make no more than 2 applications per year for this use, and do not exceed a total of 1.30 lbs./A per year. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.

\* The amount of PRE-AMINE 65 WDG to apply depends on: the length of residual control desired (the higher the application rate, the longer the control). **Note:** The higher the rate, the greater the potential for seedling mortality.

**ORNAMENTALS (CONTAINER, FIELD AND LANDSCAPE GROWN, INCLUDING CHRISTMAS TREE FARMS), RIGHTS-OF-WAY, GROUNDS OF UTILITIES, AND UNGRAZED FENCE ROWS**

PRE-AMINE 65 WDG may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds:

- Around ornamental shrubs, trees, established perennial vegetation and wildflower plantings;
- On or surrounding managed rights-of-way for transportation systems including roadways, roadsides, railways, and equipment yards;
- On grounds of utilities such as power substations, tank farms, pumping stations, parking and storage areas;
- On ungrazed fence rows.

**Application, Timing, and Information****PRE-AMINE 65 WDG:**

1. Will not control emerged weeds.
2. May be applied to newly-transplanted and established ornamentals as a broadcast or over-the-top spray.
3. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.
4. Is most effective when the product is activated in the soil before weed seeds germinate and within 14 days after application.
5. Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall, or shallow (1 to 2 inches) mechanical incorporation.

## Use Precautions

### To reduce injury potential:

1. Direct application of PRE-AMINE 65 WDG to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, over-the-top application of PRE-AMINE 65 WDG may injure new growth of desirable plants, however, these effects are temporary. To reduce the possibility of injury at this time, wait to apply PRE-AMINE 65 WDG over the top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.
2. After application immediately apply overhead irrigation to the foliage to wash PRE-AMINE 65 WDG from plant surfaces onto soil (watering the foliage of plants before application may improve the washing process).

## Ornamentals and Christmas Tree Farms - Application Sites and Instructions

Site	Application Instructions
Newly-Transplanted Container or Field Nursery Stock	<ol style="list-style-type: none"> <li>1. Delay application until soil has settled around transplants.</li> <li>2. Water transplants thoroughly before application.</li> <li>3. Apply after cuttings form roots and are established.</li> <li>4. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.</li> </ol>
Established Container, Field Nursery Stock, or Landscape Plants	<ol style="list-style-type: none"> <li>1. Apply at any time as a broadcast, over-the-top, or directed spray.</li> </ol>
Landscape (or Ornamental) Plantings	<ol style="list-style-type: none"> <li>1. Apply as a broadcast, over-the-top, or as a directed spray.</li> <li>2. Delay applications to newly transplanted ornamentals until soil has settled around transplants.</li> </ol>
Bare Ground Application For Container Placement	<ol style="list-style-type: none"> <li>1. Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed.</li> <li>2. After PRE-AMINE 65 WDG is applied, perform shallow cultivation or hand weeding only, to avoid disturbing the herbicide barrier.</li> </ol>
In Shadehouses and Uncovered Polyhouses	<ol style="list-style-type: none"> <li>1. After PRE-AMINE 65 WDG is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least ½ inch of water before covering.</li> </ol>
Ornamental Bulbs and Perennial Wildflower Plantings	<ol style="list-style-type: none"> <li>1. PRE-AMINE 65 WDG may be applied to bulbs or perennial wildflower species listed in the section. Apply before or after bulbs emerge but before bulbs bloom and weeds emerge.</li> <li>2. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.</li> </ol>

**How Much PRE-AMINE 65 WDG and When to Apply – Ornamentals**

<b>Amount to Apply (Broadcast)*</b>	<b>When to Apply</b>	<b>Comments/Instructions</b>
1.00-2.30 lbs./A or 0.37-0.83wt. ozs./1,000 sq. ft.	In fall or spring before weeds germinate or after weeds are removed.	1. Use the higher rate for longer control. 2. PRE-AMINE 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.30 lbs./A per year.

\*NOTE: For band application, calculate amount per acre:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amount to apply/acre of field}$$

**Equivalent Measurements for PRE-AMINE 65 WDG**

<b>Lbs./A</b>	<b>Wt. Ozs.1,000 Sq. Ft</b>	<b>Approximate Equivalent - Tablespoons/1,000 Sq. Ft.</b>
1.00	0.37	1.00
1.50	0.55	1.50
2.00	0.74	2.00
2.30	0.83	2.25

**Tank Mixtures For Use On Ornamentals**

PRE-AMINE 65 WDG may be tank mixed with other registered herbicides listed on this label to provide a broader spectrum of weed control or to control emerged weeds. Tank mixes with PRE-AMINE 65 WDG are for use only in states where the tank mix partner(s), application site and intended use pattern are registered.

Follow the label directions of the tank mix partners) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining a tank mix partner in the spray tank, test for compatibility as described on this label.

**Tank Mix Partners for PRE-AMINE 65 WDG on Ornamentals**

<b>Product</b>	<b>Precautions/Instructions</b>
Goal® (use on conifers only)	Mix with PRE-AMINE 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep ® or other simazine-based products, Pennant Magnum®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown Pro®, Roundup® or other glyphosate-based products, Finale®	<ol style="list-style-type: none"> <li>1. These nonselective tank mix herbicides control many emerged annual broadleaves and grasses.</li> <li>2. Take extreme care to prevent tank mixtures with these partner products from contacting the foliage and stems of turfgrass, trees, shrubs, or other desirable vegetation because desirable vegetation may be severely injured or killed. Apply these tank mixtures as a directed spray and use a shield to prevent spray from contacting foliage of desirable plants.</li> <li>3. Following instructions on the tank mix partner's label, delay irrigation of the treated area to allow time for the herbicide to be absorbed by weed foliage.</li> </ol>

**Tolerant Ornamental Species**

The species listed below in Table 1 are tolerant to PRE-AMINE 65 WDG may be used for application, except in CA, to the species in Table 2. PRE-AMINE 65 WDG may be applied over the top of the listed species. The species that are not tolerant to PRE-AMINE 65 WDG when grown in containers are indicated.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to PRE-AMINE 65 WDG.

**Table 1. Tolerant Ornamental Species - All States**

<b>Scientific name</b>	<b>Common name</b>
<i>Abies</i> spp.	Fir species ** (Balsam, Fraser, Noble, etc.)
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Actinidia chinensis</i>	Kiwi *

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Aucuba japonica</i>	Japanese Acuba
<i>Berberis gladwynensis</i>	Barberry
<i>Berberis julianae</i>	Wintergreen Barberry
<i>Berberis mentorensis</i>	Mentor Barberry
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Berberis verruculosa</i>	Warty Barberry
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisioides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species *
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster buxifolius</i>	Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster microphyllus</i>	Rockspray Cotoneaster
<i>Crataegus</i> spp.	Hawthorne
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Dodonea viscosa</i>	Hop Bush
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>Euonymus japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Euonymus kiautschovicka</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsytheia viridissima</i>	Greenstem Forsythia
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gladiolis</i> spp.	Gladiolis species **
<i>Hedera helix</i>	English Ivy
<i>Hibiscus</i> spp.	Rose of Sharon **
<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus **
<i>Ilex cornuta</i>	Chinese Holly **

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Ilex crenata</i>	Japanese Holly
<i>Ilex opaca</i>	American Holly
<i>Ilex pernyi</i>	Holly
<i>Ilex vomitoria</i>	Yaupon Holly
<i>Iris</i> spp.	Iris species **
<i>Jasminum nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper
<i>Juniperus conferta</i>	Shore juniper
<i>Juniperus horizontalis</i>	Creeping Juniper
<i>Juglans</i> spp.	Walnut *
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Ligustrum amurense</i>	Amur Privet
<i>Ligustrum japonicum</i>	Japanese Privet
<i>Ligustrum lucidum</i>	Glossy Privet (Waxy-Leaf)
<i>Liriope muscari</i>	Big Blue Lillyturf
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera tatarica</i>	Tatarian Honeysuckle
<i>Magnolia</i> spp.	Magnolia species **
<i>Maleophora luteola</i>	Ice Plant
<i>Malus</i> spp.	Crabapple *
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Narcissus</i> spp.	Narcissus species **
<i>Nerium</i> spp.	Oleander
<i>Olea europaea</i>	Olive *
<i>Ophiopogon japonicus</i>	Mondo Grass **
<i>Osteospermum fruticosum</i>	Trailing Africa Daisy
<i>Oxydendrum arboreum</i>	Sourwood
<i>Persea americanum</i>	Avocado *
<i>Photinia fraseri</i>	Frasier's Photinia (Redtip)
<i>Picea</i> spp.	Spruce species ** (Colorado Blue, Norway, etc.)
<i>Pieris japonica</i>	Lily-of-the-Valley Shrub
<i>Pinus brutia</i>	Calabrian Pine
<i>Pinus canariensis</i>	Canary Island Pine
<i>Pinus elliottii</i>	Slash Pine
<i>Pinus halepensis</i>	Aleppo Pine
<i>Pinus nigra</i>	Austrian Black Pine
<i>Pinus palustris</i>	Longleaf Pine
<i>Pinus radiata</i>	Monterey Pine
<i>Pinus strobus</i>	Eastern White Pine
<i>Pinus sylvestris</i>	Scotch Pine

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Pinus taeda</i>	Loblolly Pine
<i>Pinus thunbergiana</i>	Japanese Black Pine
<i>Pinus virginiana</i>	Virginia Pine
<i>Pistacia</i> spp.	Pistachio *
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Pittosporum tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus</i> spp.	Almond, Apricot, Nectarine, Peach, Plum and Prune *
<i>Pseudotsuga menziesii</i>	Douglas Fir **
<i>Pyracantha coccinea</i>	Firethorn Scarlet
<i>Pyracantha fortuneana</i>	Firethorn
<i>Pyracantha koidzumii</i>	Firethorn
<i>Pyrus</i> spp.	Bradford Pear species
<i>Quercus rubra</i>	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Rhododendron</i> (including Azalea)	'Coral Bells' 'Formosa' 'Nino-crimson' 'PJM' 'Roseum Elegans'
<i>Rosa banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary *
<i>Rumohra adiantiformis</i>	Leatherleaf Fern
<i>Santolina virens</i>	
<i>Sedum album</i>	Stonecrop
<i>Syzygium paniculatum</i>	Japanese Boxcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>Taxus media</i>	Yew
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Viburnum odoratissimum</i>	Sweet Viburnum
<i>Viburnum plicatum</i>	Japanese Snowball
<i>Viburnum rigidum</i>	Canary Island Viburnum
<i>Viburnum tinus</i>	Laurustinus
<i>Viburnum trilobium</i>	Cranberry Bush
<i>Viburnum wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Vinca

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Vinca minor</i>	Dwarf Periwinkle
<i>Vitis</i> spp.	Grape *
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet
<i>Yucca flamenfosa</i>	Yucca, Adam's Needle

\* Do not use on food producing trees, vines, or plants. \*\* Not for use on container grown plants.

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California**

Scientific name	Common name
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Achillea</i> spp.	Yarrow: King Edward
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> spp.	Aquilegia: Red and Gold
<i>Artemisia</i> spp.	Wormwood: Silver Mound, Castle
<i>Aster</i> spp.	Aster: Bonny Blue, Purple Dome
<i>Aster X frikartii</i>	
<i>Athyrium filix-femina</i>	Lady Fern
<i>Begonia</i> spp.	Fibrous Begonia: Hardy Grandis
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly Bush (Dwarf Blue); Royal Red
<i>Callistemon citrinus</i>	Crimson Bottlebrush
<i>Campanula carpatia</i>	Tussock Bellflower; (White Clips)
<i>Campis X taliabuana</i>	Trumpet Creeper, Trumpet Flower; Madam Galen
<i>Ceratostigma plumbaginoides</i>	
<i>Chrysanthemum nipponicum</i>	
<i>Coreopsis</i> spp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
<i>Crocasmia</i> spp.	Lucifer
<i>Delosperma</i> spp.	Cooperi Pink
<i>Delphinium</i> spp.	Larkspur; Blue Elf
<i>Dianthus deltoides</i>	Dianthus, Maiden Pinks 'Zing'
<i>Dianthus gratianopolitanus</i>	Cheddar Pink
<i>Echinacea purpurea</i>	Coneflower, Purple; Magnus
<i>Forsythia suspensa</i>	Weeping Forsythia

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Gaillardia</i> spp.	Gaillardia, Blanket Flower: 'Goblin'
<i>Gaura</i> spp.	
<i>Gentiana</i> <i>dahurica</i>	
<i>Geranium</i> <i>cinereum</i>	Cranesbill
<i>Gypsophila</i> <i>repens</i>	Baby's Breath
<i>Helianthemum</i> spp.	Sunrose
<i>Hemerocallis</i> spp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Heucherella</i> spp.	Coral Bell; Bridget Bloom
<i>Hibiscus</i> spp.	Mallow; Disco Bell White
<i>Hosta</i> <i>plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>Hosta</i> <i>sieboldiana</i>	Hosta, 'Seersucker'
<i>Houttuynia</i> <i>cordata</i> var. <i>variegata</i>	
<i>Hydrangea</i> <i>macrophylla</i>	Bigleaf Hydrangea
<i>Inula</i> <i>ensifolia</i>	
<i>Iris</i> <i>ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris</i> <i>siberica</i>	Siberian Iris; Cabernet
<i>Juniperus</i> <i>davurica</i>	Parsoni
<i>Lagerstromia</i> <i>indica</i> x <i>fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana</i> <i>montevidensis</i>	Weeping Lantana
<i>Lavender</i> spp.	Lavender; Munstead
<i>Leontopodium</i> <i>alpinum</i>	Edelweiss
<i>Ligustrum</i> <i>sinense</i>	Chinese Privet; Variegated
<i>Lilium</i> spp.	Lily: Jazz
<i>Liriope</i> <i>muscaria</i> var. <i>variegata</i>	Liriope, Variegated
<i>Liriope</i> <i>spicata</i>	Liriope, Creeping
<i>Lobelia</i> <i>cardinalis</i>	Cardinal Flower, Indian Pink
<i>Loropetalum</i> <i>chinense</i>	Burgundy
<i>Lythrum</i> spp.	Loosestrife; Modern Pink
<i>Miscanthus</i> <i>sinensis</i>	Yaku Jima **, Silberfeder **
<i>Oenothera</i> <i>missourensis</i>	Evening Primrose
<i>Osmanthus</i> <i>heterophyllus</i>	Osmanthus (False Holly): Gulf Tide
<i>Paeonia</i> <i>suffruticosa</i>	Tree Peony
<i>Pennisetum</i> <i>setaceum</i>	Fountaingrass (Dwarf) **
<i>Perovskia</i> <i>atriplicifolia</i>	
<i>Physostegia</i> <i>virginiana</i>	Dragonhead, False; Vivid
<i>Quercus</i> <i>shumardii</i>	Oak, Shumard's Red
<i>Raphiolepis</i> <i>umbellata</i>	Yedda Hawthorne

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Rhododendron</i> (including Azalea)	'Delaware Valley White' 'Flame Creeper' 'Girard Crimson' 'George L. Tabor' 'Wakeiebisu' 'White Gumpo'
<i>Rudbeckia</i> spp.	Black-Eyed Susan; Goldstrum
<i>Saxifraga</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum ceuticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea bumalda</i>	Spirea; Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Teucrium</i> spp.	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Veronica</i> spp.	Veronica, Speedwell; Sunny Border
<i>Viburnum suspensum</i>	Arrowood Viburnum

\*\* Not for use on container grown plants.

## NEW PLANTINGS, REPLANTING AND ROTATIONAL PLANTINGS

Nursery, landscape, or non-cropped land areas treated with PRE-AMINE 65 WDG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

Before planting a species not listed on this label, it is recommended that several test strips of an indicator plant such as wheat, sorghum or corn be sown into the treated area. If the indicator plants germinate and grow normally to a height of 12 inches with normal root development, it is safe to plant.

In areas disturbed by new plantings or replanting of labeled species, it may be necessary to retreat exposed soil to maintain satisfactory weed control, but do not apply more than 2.30 lbs./A per year.

## CHEMIGATION INSTRUCTIONS – OVERHEAD SPRINKLER IRRIGATION APPLICATION

- Apply this product only through an overhead sprinkler irrigation system. Do not apply this product through any other type of irrigation system.

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result in non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
- To avoid injury to foliage, make sure foliage is sufficiently wet before application or adequate irrigation is applied after application.
- If sprinkler distribution patterns overlap excessively, injury to leatherleaf ferns and other ornamentals may result.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to public water systems unless pesticide label-prescribed safety devices for public water systems are in place
- If necessary, a person knowledgeable of the chemigation system and responsible for its operation, or someone under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

### **Operation Instructions**

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely effected.
6. Systems must use a metering pump such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Prepare a mixture with a minimum of 20 parts of water and 1 part PRE-AMINE 65 WDG and inject this herbicide suspension mixture into the overhead system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the herbicide in suspension.
9. Before injecting PRE-AMINE 65 WDG into the system, run the irrigation system long enough to wet the foliage, then inject PRE-AMINE 65 WDG suspension mixture in the pesticide supply tank (see number 8 above) in 1 inch of irrigation water. After the application is complete, continue the irrigation until all residues are washed off the foliage.

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Pennant Magnum®, Princep® and TouchdownPro® are trademarks of a Syngenta Group Company

Finale® trademark of Bayer Environmental Science  
Goal® and Gallery® are trademarks of Dow AgroSciences  
Roundup® trademark of Monsanto Company

For non-emergency ( <i>e.g.</i> , current product information), call <u>PROACTIVE</u> , LLC at 1-203-740-1600.
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Product of China or India  
Formulated in the USA

## Container Label

**PRE-AMINE 65 WDG****Herbicide**

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients: .....35.0%

Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-11

EPA Est. No. XXXXX-XX-XX

Product of China or India

Formulated in the USA

Net Weight: \_\_\_\_5 lbs. \_\_\_\_10 lbs.

Manufactured by:

PROACTIVE, LLC

P.O. Box 5068

Brookfield, CT 06804

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

- Coveralls
- Chemical-resistant gloves such as butyl rubber >14 mils or natural rubber >14 mils or neoprene rubber >14 mils or nitrile rubber >14 mils
- Shoes plus socks

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals****CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (such as natural rubber, Selection Chart A).

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b>  For 24 Hour Medical Emergency Assistance (Human or Animal) or  Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)  Call  <b>1-800-222-1222</b></p>	

### Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwater or rinsate.

### Chemigation

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Non-refillable containers.** Do not reuse or refill this container. **Paper and plastic film bags or boxes** — Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners** — Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner at an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable Plastic containers** - Do not re-use or refill this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling if available, or dispose of empty container in a sanitary landfill or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Containers Less than 5 gallons** — Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY****IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

November 3, 2009

Document Processing Desk  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

Attention: Ms. Joanne Miller (PM #23)  
RE: Pre-Amine 65 WDG; EPA Reg. No. 74468-11  
Final Labeling

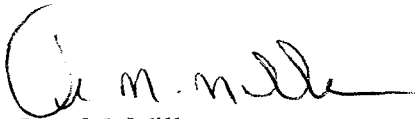
Dear Ms. Miller:

As per the EPA Notice of Pesticide Amendment Approval dated August 28, 2009, please find enclosed the following:

1. One (1) copy of final labeling with the corrections made as requested by the Agency.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,



Jane M. Miller  
Agent to ProActive, LLC

Booklet

# PRE-AMINE 65 WDG

## Herbicide

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients:........35.0%

Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-11

EPA Est. No. XXXXX-XX-XX

Product of China or India

Formulated in the USA

Net Contents: \_\_\_\_ 5 lbs. \_\_\_\_ 10 lbs. \_\_\_\_ 20 lbs.

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b>  For 24 Hour Medical Emergency Assistance (Human or Animal) or  Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)  Call  <b>1-800-222-1222</b></p>	

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### PRECAUTIONARY STATEMENTS

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#### Hazards to Humans and Domestic Animals

## CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (such as natural rubber, Selection Chart A).

## **Personal Protective Equipment**

**WPS Uses:** Applicators, mixers, loaders, and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural-plant uses are covered - must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as butyl > 14 mils, or neoprene rubber > 14 mils, or nitrile rubber > 14 mils (See instructions for Category A on the EPA chemical resistance category selection chart if you want other options.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## **Engineering Control Statements**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Recommendations**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- After handling this product immediately remove PPE, wash yourself thoroughly and change into clean clothing.

## **Environmental Hazards**

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwater or rinsate.

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## **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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### **IMPORTANT: READ BEFORE USE**

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**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.** Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Paper and plastic film bags or boxes -** Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners –** Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner at an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable plastic containers -** Do not re-use or refill this container. Offer for recycling if available. Triple rinse (or equivalent) promptly after emptying.

**Non-refillable containers less than 5 gallons -** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

### Chemigation

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

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## GENERAL INFORMATION

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### WHERE TO USE

PRE-AMINE 65 WDG is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Established perennial and wildflower plantings
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

### HOW PRE-AMINE 65 WDG WORKS

PRE-AMINE 65 WDG controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when PRE-AMINE 65 WDG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

### USE PRECAUTIONS

1. Do not graze or feed livestock forage cut from areas treated with PRE-AMINE 65 WDG.
2. Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
3. Do not blend PRE-AMINE 65 WDG onto dry fertilizer or any other granular material.
4. **Chemigation:** Do not apply this product through any type of irrigation system unless instructed otherwise in this label.
5. Do not apply aerially.
6. Do not apply to golf course putting greens.

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## MIXING AND APPLICATION PROCEDURES

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### MIXING PRE-AMINE 65 WDG ALONE

PRE-AMINE 65 WDG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps.

1. Fill the spray tank  $\frac{1}{4}$  full with clean water only.
2. Start agitation and check to ensure it is working properly.
3. For tank mixing instructions, refer to the section "**Mixing Order for Tank Mixtures.**"
4. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well-mixed spray suspension. If PRE-AMINE 65 WDG was mixed with fertilizer in the spray tank, the fertilizer may aid resuspension of PRE-AMINE 65 WDG if agitation is disrupted. However, it is recommended that the entire tank be used before stopping agitation.
5. A spray colorant may be used with PRE-AMINE 65 WDG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
6. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent.
7. Refer to the **Pesticide Disposal** section of this label for waste disposal. Do not allow spray suspension to dry in the tank.

### TANK MIXING PRE-AMINE 65 WDG

PRE-AMINE 65 WDG may be tank mixed with certain other EPA-registered herbicides to provide a broader spectrum of weed control or to control emerged weeds. Refer to the specific directions for use for tank mix partners, and refer to the label(s) of the individual tank mix partner(s) for use rate, application timing, weeds controlled, and specific precautions and/or restrictions. Tank mixes are permitted only in states where the tank mix partner(s) are registered for the application site and the turf and ornamental species listed. When using PRE-AMINE 65 WDG in a tank mixture with other pesticides, follow restrictions and precautions on the labels of the products used.

Before tank mixing pesticides, test compatibility by mixing the products in a small container first. See the **Compatibility Test** section.

## COMPATIBILITY TEST

Before mixing PRE-AMINE 65 WDG with other pesticides in the spray tank, test for compatibility by mixing all components (carrier and pesticide products) in an appropriate container in proportionate quantities. For example, 1 qt. would be 1/100th the volume of a 25 gals./A spray rate. At 1.0 lb./A, the PRE-AMINE 65 WDG rate would be proportional to 4.5 grams per quart. Add approximately 1.5 teaspoons to a quart of water. Calculate amounts for the other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./A of a dry formulation and 0.5 teaspoons for each pt./A of a liquid formulation. (See following table)

**Amount of Component to Add to One Quart of Spray Carrier  
(Assuming Carrier Volume of 25 gals./A)**

<b>Component Formulations</b>	<b>Rate Per</b>		<b>Level Teaspoons</b>
	<b>Acre</b>	<b>1,000 sq. ft.</b>	
PRE-AMINE 65 WDG	1.0 lb.	0.4 oz	1.5
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5

If components do not ball-up or form flakes, sludge, gels, oily films, or layers, then the mixture is compatible. Let the mixture stand for 15 minutes. Incompatibility will usually occur within 5 minutes after mixing. If components are not compatible, use a compatibility agent and rerun the test to determine if the mixture is suitable. If the components are still not compatible, do not tank mix.

## MIXING ORDER FOR TANK MIXTURES

**Notes:** (1) When mixing PRE-AMINE 65 WDG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is important when tank mixing with ester formulations. (2) Maintain agitation throughout mixing and application of the mixture.

### Add the products to the spray tank in the following order:

1. Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the products to disperse before adding any other tank mix partner.
2. Then add water-dispersible granules (WDG or WG formulations) and wettable powders (WP formulations). Add wettable powders to the tank as agitation continues. Allow the product to disperse completely before other products are added.
3. Add spray adjuvants and spray markers. Read the adjuvant's label first and use only those adjuvants approved for application to turf and ornamentals.
4. Add PRE-AMINE 65 WDG, other flowable liquids (FL) or suspension concentrates (SC).
5. Add emulsifiable concentrates (EC) last.

## APPLICATION

Apply PRE-AMINE 65 WDG in a minimum of 20 gals./A (0.5 gal./1,000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

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### SPECIFIC USE DIRECTIONS

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#### ESTABLISHED TURF

PRE-AMINE 65 WDG is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

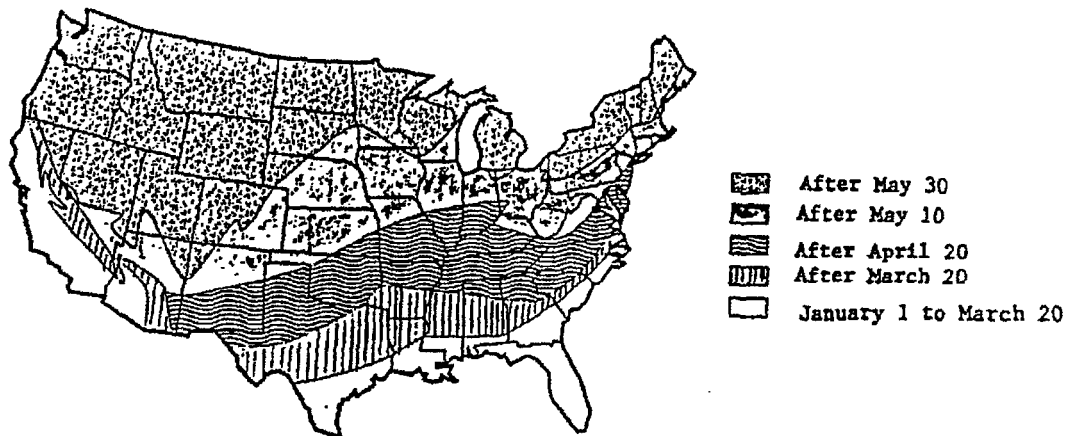
- Golf courses **excluding** putting greens
- Lawns
- Sod nurseries

The maximum amount of PRE-AMINE 65 WDG that may be applied per year is given for each turfgrass species in the **Annual Use Rates** section of this label.

For optimum weed control, PRE-AMINE 65 WDG should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

#### Crabgrass Seed Germination Dates

Approximate Date



### Use Precautions - Turfgrass: Golf Courses, Lawns, and Sod Nurseries

1. Do not apply PRE-AMINE 65 WDG to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.
2. Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
3. To avoid turfgrass injury do not apply PRE-AMINE 65 WDG to turf stressed by conditions such as drought, low fertility, or pest damage.
4. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
5. **Do not apply PRE-AMINE 65 WDG to golf course putting greens.**
6. If you consistently mow creeping bentgrass at a height of less than 0.5 inch do not apply PRE-AMINE 65 WDG.

### Application Timing And Rate - Turfgrass

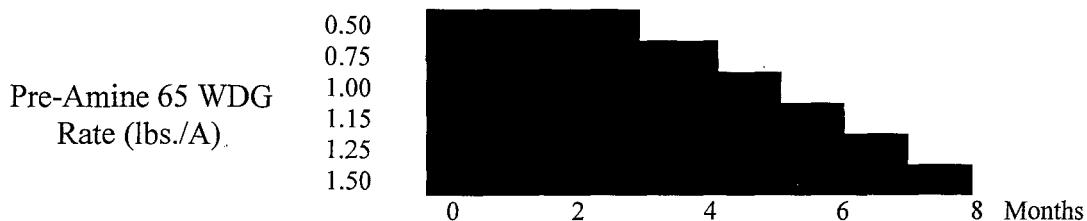
PRE-AMINE 65 WDG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made before target weeds germinate because **PRE-AMINE 65 WDG will not control weeds that have already emerged.**

The amount of PRE-AMINE 65 WDG to apply depends upon:

1. the length of residual weed control desired (the higher the application rate, the longer the control),
2. the turf species,
3. the maximum amount which can be applied to the turf species per calendar year.

(See the next 2 tables.)

#### Length of Crabgrass Control \*



\* Length of control varies by region. This table is an average for planning purposes.

**Annual Use Rates - Turfgrass**

PRE-AMINE 65 WDG can be applied to the turfgrass species listed in the following table.

**Note:** Do not apply more than the highest rate listed for each species in a calendar year.

<b>Maximum Application Rate of PRE-AMINE Per Calendar Year by Turf Species .</b>		
<b>Turf Species</b>	<b>Lbs. Product/A</b>	<b>Wt. Oz. Product/1,000 sq. ft.</b>
Bermudagrass <sup>2</sup> Bahiarass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.00-2.30 <sup>1</sup>	0.36-0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.50-1.50 <sup>1</sup>	0.185-0.55
Fine Fescue	0.50-1.15 <sup>1</sup>	0.185-0.42
Creeping Bentgrass (0.5 inch or more in height <sup>4</sup> )	0.50-1.00 <sup>1</sup>	0.185-0.37

<sup>1</sup> PRE-AMINE 65 WDG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.

<sup>2</sup> May be used on newly sprigged or plugged bermudagrass at rates not to exceed 0.80 lbs./A (0.30 wt. oz./1,000 sq. ft.). Newly sprigged or plugged bermudagrass stolon rooting may be temporarily inhibited.

<sup>3</sup> Use an initial rate of 0.75-1.50 lbs./A per application.

<sup>4</sup> To avoid grass injury, do not apply PRE-AMINE 65 WDG to creeping bentgrass mowed at less than 0.5 inch in height.

## Weeds Controlled

When used as directed in this label, PRE-AMINE 65 WDG will control the following weeds:

Barnyardgrass	Kochia
Bluegrass, Annual ( <i>Poa annua</i> ) <sup>1</sup>	Lambsquarters, Common
Carpetweed	Panicum (Texas, Fall, Browntop)
Chickweed, Common <sup>2</sup>	Pigweed
Chickweed, Mouseear (from seed)	Purslane, Common
Crabgrass (Large, Smooth) <sup>3</sup>	Pusley, Florida
Crowfootgrass	Rescuegrass <sup>4</sup>
Cupgrass, Woolly	Shepherdspurse <sup>2</sup>
Foxtails, Annual	Signalgrass, Broadleaf
Goosegrass <sup>5</sup>	Speedwell, Persian
Henbit <sup>2</sup>	Sprangletop
Itchgrass	Spurge, Prostrate
Johnsongrass (from seed)	Witchgrass
Junglerice	Woodsorrel, Yellow (from seed)
Knotweed <sup>2</sup>	

<sup>1</sup> In those areas where *Poa annua* is a winter annual, apply PRE-AMINE 65 WDG (see rate table) in August or September to established, non-overseeded turf before *Poa annua* seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label ***Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX Only)**

<sup>2</sup> To control this weed, apply PRE-AMINE 65 WDG in late summer, fall, or winter before weeds germinate.

<sup>3</sup> **Fall Applications for Spring Crabgrass Control in Cool-Season Grasses:**  
In those areas where the ground freezes in the winter, PRE-AMINE 65 WDG can be applied in the fall at rates of 1.00-1.15 lbs./A after soil temperatures fall below 50°F, but before the ground freezes. This application will control crabgrass the following spring.

<sup>4</sup> Suppression only.

<sup>5</sup> In many areas a single application of 1.00-2.30 lbs./A of PRE-AMINE 65 WDG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, weed control will be most effective by making an initial application of 1.00-1.50 lbs./A followed by a second application 60-90 days later. **Note: Do not exceed** the maximum rate for the turf species listed in the **Maximum Application Rates Table**.

## When to Apply PRE-AMINE 65 WDG After Overseeding Turf

Injury to desirable seedlings is likely if PRE-AMINE 65 WDG is applied before the secondary roots of seedlings are in the second inch of soil, not thatch plus soil. To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying PRE-AMINE 65 WDG.

### When to Overseed After Application - All States

PRE-AMINE 65 WDG will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

\*Note: In AZ, CA, NV, and TX the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section, ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).**

Amount of PRE-AMINE 65 WDG Lbs. Product/A	Interval (Months Before Overseeding)*		
	North	Transition	South
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25	---	6	6
1.50	---	7	7
1.75	---	---	9
2.00	---	---	10
2.30	--	---	12

### ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)**

Use on golf courses (excluding golf course putting greens), lawns, and sod nurseries when overseeding with perennial rye grass. (Minimum seeding rate of 350 Lbs./A.)

**How Much PRE-AMINE 65 WDG and When to Apply**

Amount to Apply	When to Apply	Expected Control	Use Precautions
0.58 to 1.00 lbs./A *	<b>First Application:</b> 6 to 8 weeks <b>before</b> ryegrass overseeding  <b>Second Application:</b> 4 to 8 weeks <b>after</b> overseeding or when perennial ryegrass roots are in the second inch of soil	1 application for 70% or greater control for <i>poa annua</i>  Second application may enhance control	1. Some seedling mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seedling mortality 3. Make no more than 2 applications per year for this use, and do not exceed a total of 1.30 lbs./A per year. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.

\* The amount of PRE-AMINE 65 WDG to apply depends on: the length of residual control desired (the higher the application rate, the longer the control). **Note:** The higher the rate, the greater the potential for seedling mortality.

**ORNAMENTALS (CONTAINER, FIELD AND LANDSCAPE GROWN, INCLUDING CHRISTMAS TREE FARMS), RIGHTS-OF-WAY, GROUNDS OF UTILITIES, AND UNGRAZED FENCE ROWS**

PRE-AMINE 65 WDG may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds:

- Around ornamental shrubs, trees, established perennial vegetation and wildflower plantings;
- On or surrounding managed rights-of-way for transportation systems including roadways, roadsides, railways, and equipment yards;
- On grounds of utilities such as power substations, tank farms, pumping stations, parking and storage areas;
- On ungrazed fence rows.

**Application, Timing, and Information****PRE-AMINE 65 WDG:**

1. Will not control emerged weeds.
2. May be applied to newly-transplanted and established ornamentals as a broadcast or over-the-top spray.
3. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.
4. Is most effective when the product is activated in the soil before weed seeds germinate and within 14 days after application.
5. Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall, or shallow (1 to 2 inches) mechanical incorporation.

## Use Precautions

### To reduce injury potential:

1. Direct application of PRE-AMINE 65 WDG to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, over-the-top application of PRE-AMINE 65 WDG may injure new growth of desirable plants, however, these effects are temporary. To reduce the possibility of injury at this time, wait to apply PRE-AMINE 65 WDG over the top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.
2. After application immediately apply overhead irrigation to the foliage to wash PRE-AMINE 65 WDG from plant surfaces onto soil (watering the foliage of plants before application may improve the washing process).

## Ornamentals and Christmas Tree Farms - Application Sites and Instructions

Site	Application Instructions
Newly-Transplanted Container or Field Nursery Stock	<ol style="list-style-type: none"> <li>1. Delay application until soil has settled around transplants.</li> <li>2. Water transplants thoroughly before application.</li> <li>3. Apply after cuttings form roots and are established.</li> <li>4. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.</li> </ol>
Established Container, Field Nursery Stock, or Landscape Plants	<ol style="list-style-type: none"> <li>1. Apply at any time as a broadcast, over-the-top, or directed spray.</li> </ol>
Landscape (or Ornamental) Plantings	<ol style="list-style-type: none"> <li>1. Apply as a broadcast, over-the-top, or as a directed spray.</li> <li>2. Delay applications to newly transplanted ornamentals until soil has settled around transplants.</li> </ol>
Bare Ground Application For Container Placement	<ol style="list-style-type: none"> <li>1. Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed.</li> <li>2. After PRE-AMINE 65 WDG is applied, perform shallow cultivation or hand weeding only, to avoid disturbing the herbicide barrier.</li> </ol>
In Shadehouses and Uncovered Polyhouses	<ol style="list-style-type: none"> <li>1. After PRE-AMINE 65 WDG is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least ½ inch of water before covering.</li> </ol>
Ornamental Bulbs and Perennial Wildflower Plantings	<ol style="list-style-type: none"> <li>1. PRE-AMINE 65 WDG may be applied to bulbs or perennial wildflower species listed in the section. Apply before or after bulbs emerge but before bulbs bloom and weeds emerge.</li> <li>2. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.</li> </ol>

**How Much PRE-AMINE 65 WDG and When to Apply – Ornamentals**

<b>Amount to Apply (Broadcast)*</b>	<b>When to Apply</b>	<b>Comments/Instructions</b>
1.00-2.30 lbs./A or 0.37-0.83wt. ozs./1,000 sq. ft.	In fall or spring before weeds germinate or after weeds are removed.	1. Use the higher rate for longer control. 2. PRE-AMINE 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.30 lbs./A per year.

\*NOTE: For band application, calculate amount per acre:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amount to apply/acre of field}$$

**Equivalent Measurements for PRE-AMINE 65 WDG**

<b>Lbs./A</b>	<b>Wt. Ozs.1,000 Sq. Ft</b>	<b>Approximate Equivalent - Tablespoons/1,000 Sq. Ft.</b>
1.00	0.37	1.00
1.50	0.55	1.50
2.00	0.74	2.00
2.30	0.83	2.25

**Tank Mixtures For Use On Ornamentals**

PRE-AMINE 65 WDG may be tank mixed with other registered herbicides listed on this label to provide a broader spectrum of weed control or to control emerged weeds. Tank mixes with PRE-AMINE 65 WDG are for use only in states where the tank mix partner(s), application site and intended use pattern are registered.

Follow the label directions of the tank mix partners) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining a tank mix partner in the spray tank, test for compatibility as described on this label.

**Tank Mix Partners for PRE-AMINE 65 WDG on Ornamentals**

<b>Product</b>	<b>Precautions/Instructions</b>
Goal® (use on conifers only)	Mix with PRE-AMINE 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep® or other simazine-based products, Pennant Magnum®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown Pro®, Roundup® or other glyphosate-based products, Finale®	<ol style="list-style-type: none"> <li>1. These nonselective tank mix herbicides control many emerged annual broadleaves and grasses.</li> <li>2. Take extreme care to prevent tank mixtures with these partner products from contacting the foliage and stems of turfgrass, trees, shrubs, or other desirable vegetation because desirable vegetation may be severely injured or killed. Apply these tank mixtures as a directed spray and use a shield to prevent spray from contacting foliage of desirable plants.</li> <li>3. Following instructions on the tank mix partner's label, delay irrigation of the treated area to allow time for the herbicide to be absorbed by weed foliage.</li> </ol>

**Tolerant Ornamental Species**

The species listed below in Table 1 are tolerant to PRE-AMINE 65 WDG may be used for application, except in CA, to the species in Table 2. PRE-AMINE 65 WDG may be applied over the top of the listed species. The species that are not tolerant to PRE-AMINE 65 WDG when grown in containers are indicated.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to PRE-AMINE 65 WDG.

**Table 1. Tolerant Ornamental Species - All States**

<b>Scientific name</b>	<b>Common name</b>
<i>Abies</i> spp.	Fir species ** (Balsam, Fraser, Noble, etc.)
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Actinidia chinensis</i>	Kiwi *

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Aucuba japonica</i>	Japanese Acuba
<i>Berberis gladwynensis</i>	Barberry
<i>Berberis julianae</i>	Wintergreen Barberry
<i>Berberis mentorensis</i>	Mentor Barberry
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Berberis verruculosa</i>	Warty Barberry
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisioides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species *
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster buxifolius</i>	Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster microphyllus</i>	Rockspray Cotoneaster
<i>Crataegus</i> spp.	Hawthorne
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Dodonea viscosa</i>	Hop Bush
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>Euonymus japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Euonymus kiautschovicka</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsytheia viridissima</i>	Greenstem Forsythia
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gladiolis</i> spp.	Gladiolis species **
<i>Hedera helix</i>	English Ivy
<i>Hibiscus</i> spp.	Rose of Sharon **
<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus **
<i>Ilex cornuta</i>	Chinese Holly **

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Ilex crenata</i>	Japanese Holly
<i>Ilex opaca</i>	American Holly
<i>Ilex pernyi</i>	Holly
<i>Ilex vomitoria</i>	Yaupon Holly
<i>Iris</i> spp.	Iris species **
<i>Jasminum nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper
<i>Juniperus conferta</i>	Shore juniper
<i>Juniperus horizontalis</i>	Creeping Juniper
<i>Juglans</i> spp.	Walnut *
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Ligustrum amurense</i>	Amur Privet
<i>Ligustrum japonicum</i>	Japanese Privet
<i>Ligustrum lucidum</i>	Glossy Privet (Waxy-Leaf)
<i>Liriope muscari</i>	Big Blue Lillyturf
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera tatarica</i>	Tatarian Honeysuckle
<i>Magnolia</i> spp.	Magnolia species **
<i>Maleophora luteola</i>	Ice Plant
<i>Malus</i> spp.	Crabapple *
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Narcissus</i> spp.	Narcissus species **
<i>Nerium</i> spp.	Oleander
<i>Olea europaea</i>	Olive *
<i>Ophiopogon japonicus</i>	Mondo Grass **
<i>Osteospermum fruticosum</i>	Trailing Africa Daisy
<i>Oxydendrum arboreum</i>	Sourwood
<i>Persea americanum</i>	Avocado *
<i>Photinia fraseri</i>	Frasier's Photinia (Redtip)
<i>Picea</i> spp.	Spruce species ** (Colorado Blue, Norway, etc.)
<i>Pieris japonica</i>	Lily-of-the-Valley Shrub
<i>Pinus brutia</i>	Calabrian Pine
<i>Pinus canariensis</i>	Canary Island Pine
<i>Pinus elliottii</i>	Slash Pine
<i>Pinus halepensis</i>	Aleppo Pine
<i>Pinus nigra</i>	Austrian Black Pine
<i>Pinus palustris</i>	Longleaf Pine
<i>Pinus radiata</i>	Monterey Pine
<i>Pinus strobus</i>	Eastern White Pine
<i>Pinus sylvestris</i>	Scotch Pine

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Pinus taeda</i>	Loblolly Pine
<i>Pinus thunbergiana</i>	Japanese Black Pine
<i>Pinus virginiana</i>	Virginia Pine
<i>Pistacia</i> spp.	Pistachio *
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Pittosporum tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus</i> spp.	Almond, Apricot, Nectarine, Peach, Plum and Prune *
<i>Pseudotsuga menziesii</i>	Douglas Fir **
<i>Pyracantha coccinea</i>	Firethorn Scarlet
<i>Pyracantha fortuneana</i>	Firethorn
<i>Pyracantha koidzumii</i>	Firethorn
<i>Pyrus</i> spp.	Bradford Pear species
<i>Quercus rubra</i>	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Rhododendron</i> (including Azalea)	'Coral Bells' 'Formosa' 'Nino-crimson' 'PJM' 'Roseum Elegans'
<i>Rosa banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary *
<i>Rumohra adiantiformis</i>	Leatherleaf Fern
<i>Santolina virens</i>	
<i>Sedum album</i>	Stonecrop
<i>Syzygium paniculatum</i>	Japanese Boxcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>Taxus media</i>	Yew
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Viburnum odoratissimum</i>	Sweet Viburnum
<i>Viburnum plicatum</i>	Japanese Snowball
<i>Viburnum rigidum</i>	Canary Island Viburnum
<i>Viburnum tinus</i>	Laurustinus
<i>Viburnum trilobium</i>	Cranberry Bush
<i>Viburnum wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Vinca

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Vinca minor</i>	Dwarf Periwinkle
<i>Vitis</i> spp.	Grape *
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet
<i>Yucca flamenfosa</i>	Yucca, Adam's Needle

\* Do not use on food producing trees, vines, or plants. \*\* Not for use on container grown plants.

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California**

Scientific name	Common name
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Achillea</i> spp.	Yarrow: King Edward
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> spp.	Aquilegia: Red and Gold
<i>Artemisia</i> spp.	Wormwood: Silver Mound, Castle
<i>Aster</i> spp.	Aster: Bonny Blue, Purple Dome
<i>Aster X frikartii</i>	
<i>Athyrium filix-femina</i>	Lady Fern
<i>Begonia</i> spp.	Fibrous Begonia: Hardy Grandis
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly Bush (Dwarf Blue); Royal Red
<i>Callistemon citrinus</i>	Crimson Bottlebrush
<i>Campanula carpatica</i>	Tussock Bellflower; (White Clips)
<i>Campis X taliabuana</i>	Trumpet Creeper, Trumpet Flower; Madam Galen
<i>Ceratostigma plumbaginoides</i>	
<i>Chrysanthemum nipponicum</i>	
<i>Coreopsis</i> spp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
<i>Crocasmia</i> spp.	Lucifer
<i>Delosperma</i> spp.	Cooperi Pink
<i>Delphinium</i> spp.	Larkspur; Blue Elf
<i>Dianthus deltoides</i>	Dianthus, Maiden Pinks 'Zing'
<i>Dianthus gratianopolitanus</i>	Cheddar Pink
<i>Echinacea purpurea</i>	Coneflower, Purple; Magnus
<i>Forsythia suspensa</i>	Weeping Forsythia

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Gaillardia</i> spp.	Gaillardia, Blanket Flower: 'Goblin'
<i>Gaura</i> spp.	
<i>Gentiana dahurica</i>	
<i>Geranium cinereum</i>	Cranesbill
<i>Gypsophila repens</i>	Baby's Breath
<i>Helianthemum</i> spp.	Sunrose
<i>Hemerocallis</i> spp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Heucherella</i> spp.	Coral Bell; Bridget Bloom
<i>Hibiscus</i> spp.	Mallow; Disco Bell White
<i>Hosta plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>Hosta sieboldiana</i>	Hosta, 'Seersucker'
<i>Houttuynia cordata</i> var. <i>variegata</i>	
<i>Hydrangea macrophylla</i>	Bigleaf Hydrangea
<i>Inula ensifolia</i>	
<i>Iris ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris siberica</i>	Siberian Iris; Cabernet
<i>Juniperus davurica</i>	Parsoni
<i>Lagerstromia indica</i> x <i>fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana montevidensis</i>	Weeping Lantana
<i>Lavender</i> spp.	Lavender; Munstead
<i>Leontopodium alpinum</i>	Edelweiss
<i>Ligustrum sinense</i>	Chinese Privet; Variegated
<i>Lilium</i> spp.	Lily: Jazz
<i>Liriope muscari</i> var. <i>variegata</i>	Liriope, Variegated
<i>Liriope spicata</i>	Liriope, Creeping
<i>Lobelia cardinalis</i>	Cardinal Flower, Indian Pink
<i>Loropetalum chinense</i>	Burgundy
<i>Lythrum</i> spp.	Loosestrife; Modern Pink
<i>Miscanthus sinensis</i>	Yaku Jima **, Silberfeder **
<i>Oenothera missouriensis</i>	Evening Primrose
<i>Osmanthus heterophyllus</i>	Osmanthus (False Holly): Gulf Tide
<i>Paeonia suffruticosa</i>	Tree Peony
<i>Pennisetum setaceum</i>	Fountaingrass (Dwarf) **
<i>Perovskia atriplicifolia</i>	
<i>Physostegia virginiana</i>	Dragonhead, False; Vivid
<i>Quercus shumardii</i>	Oak, Shumard's Red
<i>Raphiolepis umbellata</i>	Yedda Hawthorne

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Rhododendron</i> (including Azalea)	'Delaware Valley White' 'Flame Creeper' 'Girard Crimson' 'George L. Tabor' 'Wakeiebisu' 'White Gumpo'
<i>Rudbeckia</i> spp.	Black-Eyed Susan: Goldstrum
<i>Saxifraga</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum ceuticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea bumalda</i>	Spirea: Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Teucrium</i> spp.	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Veronica</i> spp.	Veronica, Speedwell; Sunny Border
<i>Viburnum suspensum</i>	Arrowood Viburnum

\*\* Not for use on container grown plants.

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#### **NEW PLANTINGS, REPLANTING AND ROTATIONAL PLANTINGS**

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Nursery, landscape, or non-cropped land areas treated with PRE-AMINE 65 WDG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

Before planting a species not listed on this label, it is recommended that several test strips of an indicator plant such as wheat, sorghum or corn be sown into the treated area. If the indicator plants germinate and grow normally to a height of 12 inches with normal root development, it is safe to plant.

In areas disturbed by new plantings or replanting of labeled species, it may be necessary to retreat exposed soil to maintain satisfactory weed control, but do not apply more than 2.30 lbs./A per year.

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#### **CHEMIGATION INSTRUCTIONS – OVERHEAD SPRINKLER IRRIGATION APPLICATION**

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- Apply this product only through an overhead sprinkler irrigation system. Do not apply this product through any other type of irrigation system.

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result in non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
- To avoid injury to foliage, make sure foliage is sufficiently wet before application or adequate irrigation is applied after application.
- If sprinkler distribution patterns overlap excessively, injury to leatherleaf ferns and other ornamentals may result.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to public water systems unless pesticide label-prescribed safety devices for public water systems are in place
- If necessary, a person knowledgeable of the chemigation system and responsible for its operation, or someone under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

### **Operation Instructions**

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely effected.
6. Systems must use a metering pump such as a positive displacement injection pump (*e.g.* diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Prepare a mixture with a minimum of 20 parts of water and 1 part PRE-AMINE 65 WDG and inject this herbicide suspension mixture into the overhead system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the herbicide in suspension.
9. Before injecting PRE-AMINE 65 WDG into the system, run the irrigation system long enough to wet the foliage, then inject PRE-AMINE 65 WDG suspension mixture in the pesticide supply tank (see number 8 above) in 1 inch of irrigation water. After the application is complete, continue the irrigation until all residues are washed off the foliage.

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Pennant Magnum®, Princep® and TouchdownPro® are trademarks of a Syngenta Group Company

Finale® trademark of Bayer Environmental Science  
Goal® and Gallery® are trademarks of Dow AgroSciences  
Roundup® trademark of Monsanto Company

For non-emergency ( <i>e.g.</i> , current product information), call <u>PROACTIVE</u> , LLC at 1-203-740-1600.
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Product of China or India  
Formulated in the USA

Container Label

# PRE-AMINE 65 WDG

## Herbicide

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients: .....35.0%

Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-11

EPA Est. No. XXXXX-XX-XX

Product of China or India

Formulated in the USA

Net Contents: \_\_\_\_\_ 5 lbs. \_\_\_\_\_ 10 lbs. \_\_\_\_\_ 20 lbs.

Manufactured by:

PROACTIVE, LLC

115 Obtuse Hill Road

Brookfield, CT 06804

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

- Coveralls
- Chemical-resistant gloves such as butyl rubber >14 mils or natural rubber >14 mils or neoprene rubber >14 mils or nitrile rubber >14 mils
- Shoes plus socks

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### **PRECAUTIONARY STATEMENTS**

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#### **Hazards to Humans and Domestic Animals**

### **CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves (such as natural rubber, Selection Chart A).

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b></p> <p align="center">For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-222-1222</b></p>	

### **Environmental Hazards**

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment washwater or rinsate.

### **Chemigation**

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Paper and plastic film bags or boxes** - Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners** - Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner in an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable plastic containers.** Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**Non-refillable containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Tip container on its side and roll back and forth, ensuring at least one revolution for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a tank mix or store rinsate for later use or disposal. Repeat this procedure two more times.

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### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.



U.S. ENVIRONMENTAL PROTECTION  
AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:

74468-11

Date of Issuance:

AUG 28 2009

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

**conditional**

Name of Pesticide Product:

**Pre-Amine 65 WDG**

Name and Address of Registrant (include ZIP Code):

**ProActive, LLC**  
**P.O. Box 5068**  
**Brookfield, CT 06804**

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Submit the data listed below:
  - a. Within one year of the date on this registration notice, submit Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies.
3. Make the following label changes:
  - a. Under the Hazards to Humans and Domestic Animals, change it to read "Causes moderate eye irritation. Avoid contact with eyes or clothing. [Wear protective eyewear.]\* Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear: Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as Natural Rubber, Selection Category A). \*[Protective eyewear may be specified, if appropriate.]

Signature of Approving Official:

Joanne I. Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

Date:

AUG 28 2009

- b. Under First Aid, make 'If in Eyes' the first bullet.
- c. Under the PPE section, add the bold word to the statement "Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables **exist**, use detergent and hot water. Keep and wash PPE separately from other laundry."
- d. Add the bold words to the statement in Environmental Hazards "Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater **or rinsate**."
- e. Revise the EPA Registration Number to read, "**EPA Reg. No. 74468-11**."

Submit one copy of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Booklet

# PRE-AMINE 65 WDG

## Herbicide

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients:.....35.0%

Total: .....100.0%

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**

AUG 28 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

74468-11

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-XX

EPA Est. No. XXXXX-XX-XX

Product of China or India  
Formulated in the USA

Net Contents: \_\_\_\_ 5 lbs. \_\_\_\_ 10 lbs. \_\_\_\_ 20 lbs.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b>  For 24 Hour Medical Emergency Assistance (Human or Animal) or  Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)  Call  <b>1-800-222-1222</b></p>	

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## PRECAUTIONARY STATEMENTS

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### Hazards to Humans and Domestic Animals

## CAUTION

May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

## Personal Protective Equipment

### WPS Uses:

Applicators, mixers, loaders, and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural-plant uses are covered - must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as butyl > 14 mils, or neoprene rubber > 14 mils, or nitrile rubber > 14 mils (See instructions for Category A on the EPA chemical resistance category selection chart B if you want other options.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### User Safety Recommendations

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- After handling this product immediately remove PPE, wash yourself thoroughly and change into clean clothing.

## Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.** Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Paper and plastic film bags or boxes -** Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners –** Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner at an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable plastic containers -** Do not re-use or refill this container. Offer for recycling if available. Triple rinse (or equivalent) promptly after emptying.

**Non-refillable containers less than 5 gallons -** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

## Chemigation

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

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## GENERAL INFORMATION

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### WHERE TO USE

PRE-AMINE 65 WDG is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Established perennial and wildflower plantings
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

### HOW PRE-AMINE 65 WDG WORKS

PRE-AMINE 65 WDG controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when PRE-AMINE 65 WDG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

### USE PRECAUTIONS

1. Do not graze or feed livestock forage cut from areas treated with PRE-AMINE 65 WDG.
2. Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
3. Do not blend PRE-AMINE 65 WDG onto dry fertilizer or any other granular material.
4. **Chemigation:** Do not apply this product through any type of irrigation system unless instructed otherwise in this label.
5. Do not apply aerially.
6. Do not apply to golf course putting greens.

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## MIXING AND APPLICATION PROCEDURES

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### MIXING PRE-AMINE 65 WDG ALONE

PRE-AMINE 65 WDG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps.

1. Fill the spray tank  $\frac{1}{4}$  full with clean water only.
2. Start agitation and check to ensure it is working properly.
3. For tank mixing instructions, refer to the section "**Mixing Order for Tank Mixtures.**"
4. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well-mixed spray suspension. If PRE-AMINE 65 WDG was mixed with fertilizer in the spray tank, the fertilizer may aid resuspension of PRE-AMINE 65 WDG if agitation is disrupted. However, it is recommended that the entire tank be used before stopping agitation.
5. A spray colorant may be used with PRE-AMINE 65 WDG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
6. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent.
7. Refer to the **Pesticide Disposal** section of this label for waste disposal. Do not allow spray suspension to dry in the tank.

### TANK MIXING PRE-AMINE 65 WDG

PRE-AMINE 65 WDG may be tank mixed with certain other EPA-registered herbicides to provide a broader spectrum of weed control or to control emerged weeds. Refer to the specific directions for use for tank mix partners, and refer to the label(s) of the individual tank mix partner(s) for use rate, application timing, weeds controlled, and specific precautions and/or restrictions. Tank mixes are permitted only in states where the tank mix partner(s) are registered for the application site and the turf and ornamental species listed. When using PRE-AMINE 65 WDG in a tank mixture with other pesticides, follow restrictions and precautions on the labels of the products used.

Before tank mixing pesticides, test compatibility by mixing the products in a small container first. See the **Compatibility Test** section.

## COMPATIBILITY TEST

Before mixing PRE-AMINE 65 WDG with other pesticides in the spray tank, test for compatibility by mixing all components (carrier and pesticide products) in an appropriate container in proportionate quantities. For example, 1 qt. would be 1/100th the volume of a 25 gals./A spray rate. At 1.0 lb./A, the PRE-AMINE 65 WDG rate would be proportional to 4.5 grams per quart. Add approximately 1.5 teaspoons to a quart of water. Calculate amounts for the other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./A of a dry formulation and 0.5 teaspoons for each pt./A of a liquid formulation. (See following table)

**Amount of Component to Add to One Quart of Spray Carrier  
(Assuming Carrier Volume of 25 gals./A)**

Component Formulations	Rate Per		Level Teaspoons
	Acre	1,000 sq. ft.	
PRE-AMINE 65 WDG	1.0 lb.	0.4 oz	1.5
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5

If components do not ball-up or form flakes, sludge, gels, oily films, or layers, then the mixture is compatible. Let the mixture stand for 15 minutes. Incompatibility will usually occur within 5 minutes after mixing. If components are not compatible, use a compatibility agent and rerun the test to determine if the mixture is suitable. If the components are still not compatible, do not tank mix.

## MIXING ORDER FOR TANK MIXTURES

**Notes:** (1) When mixing PRE-AMINE 65 WDG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is important when tank mixing with ester formulations. (2) Maintain agitation throughout mixing and application of the mixture.

### Add the products to the spray tank in the following order:

1. Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the products to disperse before adding any other tank mix partner.
2. Then add water-dispersible granules (WDG or WG formulations) and wettable powders (WP formulations). Add wettable powders to the tank as agitation continues. Allow the product to disperse completely before other products are added.
3. Add spray adjuvants and spray markers. Read the adjuvant's label first and use only those adjuvants approved for application to turf and ornamentals.
4. Add PRE-AMINE 65 WDG, other flowable liquids (FL) or suspension concentrates (SC).
5. Add emulsifiable concentrates (EC) last.

## APPLICATION

Apply PRE-AMINE 65 WDG in a minimum of 20 gals./A (0.5 gal./1,000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

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## SPECIFIC USE DIRECTIONS

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### ESTABLISHED TURF

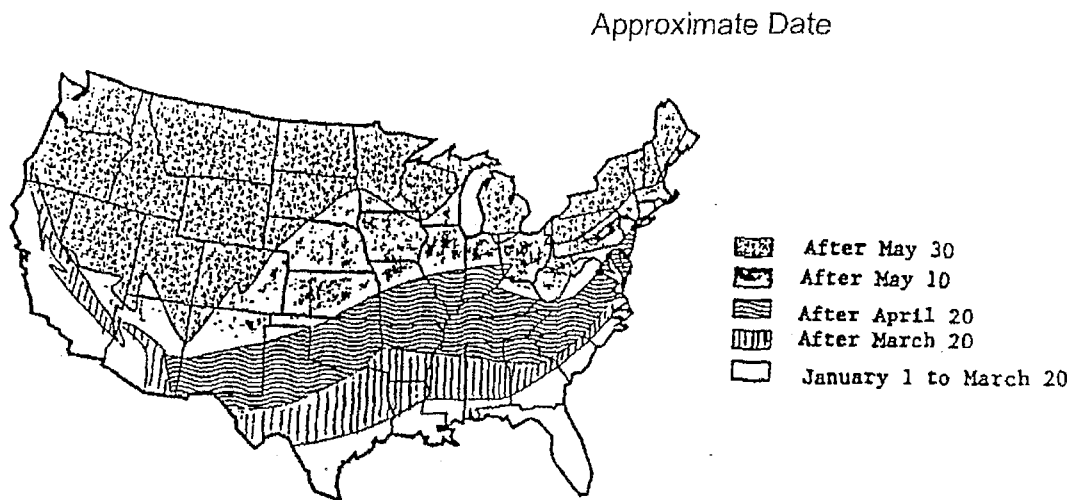
PRE-AMINE 65 WDG is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

- Golf courses **excluding** putting greens
- Lawns
- Sod nurseries

The maximum amount of PRE-AMINE 65 WDG that may be applied per year is given for each turfgrass species in the **Annual Use Rates** section of this label.

For optimum weed control, PRE-AMINE 65 WDG should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

### Crabgrass Seed Germination Dates



## Use Precautions - Turfgrass: Golf Courses, Lawns, and Sod Nurseries

1. Do not apply PRE-AMINE 65 WDG to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.
2. Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
3. To avoid turfgrass injury do not apply PRE-AMINE 65 WDG to turf stressed by conditions such as drought, low fertility, or pest damage.
4. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
5. **Do not apply PRE-AMINE 65 WDG to golf course putting greens.**
6. If you consistently mow creeping bentgrass at a height of less than 0.5 inch do not apply PRE-AMINE 65 WDG.

## Application Timing And Rate - Turfgrass

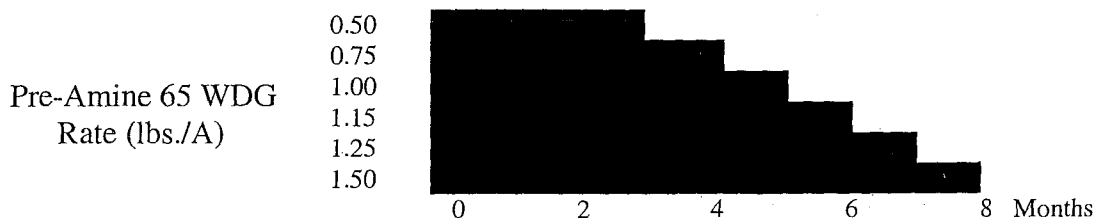
PRE-AMINE 65 WDG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made before target weeds germinate because **PRE-AMINE 65 WDG will not control weeds that have already emerged.**

The amount of PRE-AMINE 65 WDG to apply depends upon:

1. the length of residual weed control desired (the higher the application rate, the longer the control),
2. the turf species,
3. the maximum amount which can be applied to the turf species per calendar year.

(See the next 2 tables.)

### Length of Crabgrass Control \*



\* Length of control varies by region. This table is an average for planning purposes.

## Annual Use Rates - Turfgrass

PRE-AMINE 65 WDG can be applied to the turfgrass species listed in the following table.

**Note:** Do not apply more than the highest rate listed for each species in a calendar year.

<b>Maximum Application Rate of PRE-AMINE Per Calendar Year by Turf Species .</b>		
<b>Turf Species</b>	<b>Lbs. Product/A</b>	<b>Wt. Oz. Product/1,000 sq. ft.</b>
Bermudagrass <sup>2</sup> Bahia grass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.00-2.30 <sup>1</sup>	0.36-0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.50-1.50 <sup>1</sup>	0.185-0.55
Fine Fescue	0.50-1.15 <sup>1</sup>	0.185-0.42
Creeping Bentgrass (0.5 inch or more in height <sup>4</sup> )	0.50-1.00 <sup>1</sup>	0.185-0.37

<sup>1</sup> PRE-AMINE 65 WDG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.

<sup>2</sup> May be used on newly sprigged or plugged bermudagrass at rates not to exceed 0.80 lbs./A (0.30 wt. oz./1,000 sq. ft.). Newly sprigged or plugged bermudagrass stolon rooting may be temporarily inhibited.

<sup>3</sup> Use an initial rate of 0.75-1.50 lbs./A per application.

<sup>4</sup> To avoid grass injury, do not apply PRE-AMINE 65 WDG to creeping bentgrass mowed at less than 0.5 inch in height.

## Weeds Controlled

When used as directed in this label, PRE-AMINE 65 WDG will control the following weeds:

Barnyardgrass	Kochia
Bluegrass, Annual ( <i>Poa annua</i> ) <sup>1</sup>	Lambsquarters, Common
Carpetweed	Panicum (Texas, Fall, Browntop)
Chickweed, Common <sup>2</sup>	Pigweed
Chickweed, Mouseear (from seed)	Purslane, Common
Crabgrass (Large, Smooth) <sup>3</sup>	Pusley, Florida
Crowfootgrass	Rescuegrass <sup>4</sup>
Cupgrass, Woolly	Shepherdspurse <sup>2</sup>
Foxtails, Annual	Signalgrass, Broadleaf
Goosegrass <sup>5</sup>	Speedwell, Persian
Henbit <sup>2</sup>	Sprangletop
Itchgrass	Spurge, Prostrate
Johnsongrass (from seed)	Witchgrass
Junglerice	Woodsorrel, Yellow (from seed)
Knotweed <sup>2</sup>	

- <sup>1</sup> In those areas where *Poa annua* is a winter annual, apply PRE-AMINE 65 WDG (*see* rate table) in August or September to established, non-overseeded turf before *Poa annua* seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label ***Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX Only)**
- <sup>2</sup> To control this weed, apply PRE-AMINE 65 WDG in late summer, fall, or winter before weeds germinate.
- <sup>3</sup> **Fall Applications for Spring Crabgrass Control in Cool-Season Grasses:**  
In those areas where the ground freezes in the winter, PRE-AMINE 65 WDG can be applied in the fall at rates of 1.00-1.15 lbs./A after soil temperatures fall below 50°F, but before the ground freezes. This application will control crabgrass the following spring.
- <sup>4</sup> Suppression only.
- <sup>5</sup> In many areas a single application of 1.00-2.30 lbs./A of PRE-AMINE 65 WDG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, weed control will be most effective by making an initial application of 1.00-1.50 lbs./A followed by a second application 60-90 days later. **Note: Do not exceed** the maximum rate for the turf species listed in the **Maximum Application Rates Table**.

## When to Apply PRE-AMINE 65 WDG After Overseeding Turf

Injury to desirable seedlings is likely if PRE-AMINE 65 WDG is applied before the secondary roots of seedlings are in the second inch of soil, not thatch plus soil. To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying PRE-AMINE 65 WDG.

### When to Overseed After Application - All States

PRE-AMINE 65 WDG will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

\*Note: In AZ, CA, NV, and TX the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section, ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).**

Amount of PRE-AMINE 65 WDG Lbs. Product/A	Interval (Months Before Overseeding)*		
	North	Transition	South
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25	---	6	6
1.50	---	7	7
1.75	---	---	9
2.00	---	---	10
2.30	--	---	12

### ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)**

Use on golf courses (excluding golf course putting greens), lawns, and sod nurseries when overseeding with perennial rye grass. (Minimum seeding rate of 350 Lbs./A.)

## How Much PRE-AMINE 65 WDG and When to Apply

Amount to Apply	When to Apply	Expected Control	Use Precautions
0.58 to 1.00 lbs./A *	<b>First Application:</b> 6 to 8 weeks <b>before</b> ryegrass overseeding  <b>Second Application:</b> 4 to 8 weeks <b>after</b> overseeding or when perennial ryegrass roots are in the second inch of soil	1 application for 70% or greater control for <i>poa annua</i>  Second application may enhance control	1. Some seedling mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seedling mortality 3. Make no more than 2 applications per year for this use, and do not exceed a total of 1.30 lbs./A per year. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.

\* The amount of PRE-AMINE 65 WDG to apply depends on: the length of residual control desired (the higher the application rate, the longer the control). **Note:** The higher the rate, the greater the potential for seedling mortality.

## ORNAMENTALS (CONTAINER, FIELD AND LANDSCAPE GROWN, INCLUDING CHRISTMAS TREE FARMS), RIGHTS-OF-WAY, GROUNDS OF UTILITIES, AND UNGRAZED FENCE ROWS

PRE-AMINE 65 WDG may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds:

- Around ornamental shrubs, trees, established perennial vegetation and wildflower plantings;
- On or surrounding managed rights-of-way for transportation systems including roadways, roadsides, railways, and equipment yards;
- On grounds of utilities such as power substations, tank farms, pumping stations, parking and storage areas;
- On ungrazed fence rows.

## Application, Timing, and Information

### PRE-AMINE 65 WDG:

1. Will not control emerged weeds.
2. May be applied to newly-transplanted and established ornamentals as a broadcast or over-the-top spray.
3. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.
4. Is most effective when the product is activated in the soil before weed seeds germinate and within 14 days after application.
5. Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall, or shallow (1 to 2 inches) mechanical incorporation.

## Use Precautions

### To reduce injury potential:

1. Direct application of PRE-AMINE 65 WDG to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, over-the-top application of PRE-AMINE 65 WDG may injure new growth of desirable plants, however, these effects are temporary. To reduce the possibility of injury at this time, wait to apply PRE-AMINE 65 WDG over the top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.
2. After application immediately apply overhead irrigation to the foliage to wash PRE-AMINE 65 WDG from plant surfaces onto soil (watering the foliage of plants before application may improve the washing process).

## Ornamentals and Christmas Tree Farms - Application Sites and Instructions

Site	Application Instructions
Newly-Transplanted Container or Field Nursery Stock	<ol style="list-style-type: none"><li>1. Delay application until soil has settled around transplants.</li><li>2. Water transplants thoroughly before application.</li><li>3. Apply after cuttings form roots and are established.</li><li>4. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.</li></ol>
Established Container, Field Nursery Stock, or Landscape Plants	<ol style="list-style-type: none"><li>1. Apply at any time as a broadcast, over-the-top, or directed spray.</li></ol>
Landscape (or Ornamental) Plantings	<ol style="list-style-type: none"><li>1. Apply as a broadcast, over-the-top, or as a directed spray.</li><li>2. Delay applications to newly transplanted ornamentals until soil has settled around transplants.</li></ol>
Bare Ground Application For Container Placement	<ol style="list-style-type: none"><li>1. Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed.</li><li>2. After PRE-AMINE 65 WDG is applied, perform shallow cultivation or hand weeding only, to avoid disturbing the herbicide barrier.</li></ol>
In Shadehouses and Uncovered Polyhouses	<ol style="list-style-type: none"><li>1. After PRE-AMINE 65 WDG is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least ½ inch of water before covering.</li></ol>
Ornamental Bulbs and Perennial Wildflower Plantings	<ol style="list-style-type: none"><li>1. PRE-AMINE 65 WDG may be applied to bulbs or perennial wildflower species listed in the section. Apply before or after bulbs emerge but before bulbs bloom and weeds emerge.</li><li>2. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.</li></ol>

## How Much PRE-AMINE 65 WDG and When to Apply – Ornamentals

Amount to Apply (Broadcast)*	When to Apply	Comments/Instructions
1.00-2.30 lbs./A or 0.37-0.83wt. ozs./1,000 sq. ft.	In fall or spring before weeds germinate or after weeds are removed.	1. Use the higher rate for longer control. 2. PRE-AMINE 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.30 lbs./A per year.

\*NOTE: For band application, calculate amount per acre:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amount to apply/acre of field}$$

## Equivalent Measurements for PRE-AMINE 65 WDG

Lbs./A	Wt. Ozs.1,000 Sq. Ft	Approximate Equivalent - Tablespoons/1,000 Sq. Ft.
1.00	0.37	1.00
1.50	0.55	1.50
2.00	0.74	2.00
2.30	0.83	2.25

## Tank Mixtures For Use On Ornamentals

PRE-AMINE 65 WDG may be tank mixed with other registered herbicides listed on this label to provide a broader spectrum of weed control or to control emerged weeds. Tank mixes with PRE-AMINE 65 WDG are for use only in states where the tank mix partner(s), application site and intended use pattern are registered.

Follow the label directions of the tank mix partners) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining a tank mix partner in the spray tank, test for compatibility as described on this label.

## Tank Mix Partners for PRE-AMINE 65 WDG on Ornamentals

Product	Precautions/Instructions
Goal® (use on conifers only)	Mix with PRE-AMINE 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep® or other simazine-based products, Pennant Magnum®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown Pro®, Roundup® or other glyphosate-based products, Finale®	<ol style="list-style-type: none"> <li>1. These nonselective tank mix herbicides control many emerged annual broadleaves and grasses.</li> <li>2. Take extreme care to prevent tank mixtures with these partner products from contacting the foliage and stems of turfgrass, trees, shrubs, or other desirable vegetation because desirable vegetation may be severely injured or killed. Apply these tank mixtures as a directed spray and use a shield to prevent spray from contacting foliage of desirable plants.</li> <li>3. Following instructions on the tank mix partner's label, delay irrigation of the treated area to allow time for the herbicide to be absorbed by weed foliage.</li> </ol>

## Tolerant Ornamental Species

The species listed below in Table 1 are tolerant to PRE-AMINE 65 WDG may be used for application, except in CA, to the species in Table 2. PRE-AMINE 65 WDG may be applied over the top of the listed species. The species that are not tolerant to PRE-AMINE 65 WDG when grown in containers are indicated.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to PRE-AMINE 65 WDG.

**Table 1. Tolerant Ornamental Species - All States**

Scientific name	Common name
<i>Abies</i> spp.	Fir species ** (Balsam, Fraser, Noble, etc.)
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Actinidia chinensis</i>	Kiwi *

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Aucuba japonica</i>	Japanese Acuba
<i>Berberis gladwynensis</i>	Barberry
<i>Berberis julianae</i>	Wintergreen Barberry
<i>Berberis mentorensis</i>	Mentor Barberry
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Berberis verruculosa</i>	Warty Barberry
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisioides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species *
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster buxifolius</i>	Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster microphyllus</i>	Rockspray Cotoneaster
<i>Crataegus</i> spp.	Hawthorne
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Dodonea viscosa</i>	Hop Bush
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>Euonymus japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Euonymus kiautschovicka</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsytheia viridissima</i>	Greenstem Forsythia
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gladiolis</i> spp.	Gladiolis species **
<i>Hedera helix</i>	English Ivy
<i>Hibiscus</i> spp.	Rose of Sharon **
<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus **
<i>Ilex cornuta</i>	Chinese Holly **

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Ilex crenata</i>	Japanese Holly
<i>Ilex opaca</i>	American Holly
<i>Ilex pernyi</i>	Holly
<i>Ilex vomitoria</i>	Yaupon Holly
<i>Iris</i> spp.	Iris species **
<i>Jasminum nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper
<i>Juniperus conferta</i>	Shore juniper
<i>Juniperus horizontalis</i>	Creeping Juniper
<i>Juglans</i> spp.	Walnut *
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Ligustrum amurense</i>	Amur Privet
<i>Ligustrum japonicum</i>	Japanese Privet
<i>Ligustrum lucidum</i>	Glossy Privet (Waxy-Leaf)
<i>Liriope muscari</i>	Big Blue Lillyturf
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera tatarica</i>	Tatarian Honeysuckle
<i>Magnolia</i> spp.	Magnolia species **
<i>Maleophora luteola</i>	Ice Plant
<i>Malus</i> spp.	Crabapple *
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Narcissus</i> spp.	Narcissus species **
<i>Nerium</i> spp.	Oleander
<i>Olea europaea</i>	Olive *
<i>Ophiopogon japonicus</i>	Mondo Grass **
<i>Osteospermum fruticosum</i>	Trailing Africa Daisy
<i>Oxydendrum arboreum</i>	Sourwood
<i>Persea americanum</i>	Avocado *
<i>Photinia fraseri</i>	Frasier's Photinia (Redtip)
<i>Picea</i> spp.	Spruce species ** (Colorado Blue, Norway, etc.)
<i>Pieris japonica</i>	Lily-of-the-Valley Shrub
<i>Pinus brutia</i>	Calabrian Pine
<i>Pinus canariensis</i>	Canary Island Pine
<i>Pinus elliottii</i>	Slash Pine
<i>Pinus halepensis</i>	Aleppo Pine
<i>Pinus nigra</i>	Austrian Black Pine
<i>Pinus palustris</i>	Longleaf Pine
<i>Pinus radiata</i>	Monterey Pine
<i>Pinus strobus</i>	Eastern White Pine
<i>Pinus sylvestris</i>	Scotch Pine

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Pinus taeda</i>	Loblolly Pine
<i>Pinus thunbergiana</i>	Japanese Black Pine
<i>Pinus virginiana</i>	Virginia Pine
<i>Pistacia</i> spp.	Pistachio *
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Pittosporum tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus</i> spp.	Almond, Apricot, Nectarine, Peach, Plum and Prune *
<i>Pseudotsuga menziesii</i>	Douglas Fir **
<i>Pyracantha coccinea</i>	Firethorn Scarlet
<i>Pyracantha fortuneana</i>	Firethorn
<i>Pyracantha koidzumii</i>	Firethorn
<i>Pyrus</i> spp.	Bradford Pear species
<i>Quercus rubra</i>	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Rhododendron</i> (including Azalea)	'Coral Bells' 'Formosa' 'Nino-crimson' 'PJM' 'Roseum Elegans'
<i>Rosa banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary *
<i>Rumohra adiantiformis</i>	Leatherleaf Fern
<i>Santolina virens</i>	
<i>Sedum album</i>	Stonecrop
<i>Syzygium paniculatum</i>	Japanese Boxcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>Taxus media</i>	Yew
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Viburnum odoratissimum</i>	Sweet Viburnum
<i>Viburnum plicatum</i>	Japanese Snowball
<i>Viburnum rigidum</i>	Canary Island Viburnum
<i>Viburnum tinus</i>	Laurustinus
<i>Viburnum trilobium</i>	Cranberry Bush
<i>Viburnum wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Vinca

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Vinca minor</i>	Dwarf Periwinkle
<i>Vitis</i> spp.	Grape *
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet
<i>Yucca flamenfosa</i>	Yucca, Adam's Needle

\* Do not use on food producing trees, vines, or plants. \*\* Not for use on container grown plants.

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California**

Scientific name	Common name
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Achillea</i> spp.	Yarrow: King Edward
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> spp.	Aquilegia: Red and Gold
<i>Artemisia</i> spp.	Wormwood: Silver Mound, Castle
<i>Aster</i> spp.	Aster: Bonny Blue, Purple Dome
<i>Aster X frikartii</i>	
<i>Athyrium filix-femina</i>	Lady Fern
<i>Begonia</i> spp.	Fibrous Begonia: Hardy Grandis
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly Bush (Dwarf Blue); Royal Red
<i>Callistemon citrinus</i>	Crimson Bottlebrush
<i>Campanula carpatica</i>	Tussock Bellflower; (White Clips)
<i>Campis X taliabuana</i>	Trumpet Creeper, Trumpet Flower; Madam Galen
<i>Ceratostigma plumbaginoides</i>	
<i>Chrysanthemum nipponicum</i>	
<i>Coreopsis</i> spp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
<i>Crocsmia</i> spp.	Lucifer
<i>Delosperma</i> spp.	Cooperi Pink
<i>Delphinium</i> spp.	Larkspur; Blue Elf
<i>Dianthus deltoides</i>	Dianthus, Maiden Pinks 'Zing'
<i>Dianthus gratianopolitanus</i>	Cheddar Pink
<i>Echinacea purpurea</i>	Coneflower, Purple; Magnus
<i>Forsythia suspensa</i>	Weeping Forsythia

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Gaillardia</i> spp.	Gaillardia, Blanket Flower: 'Goblin'
<i>Gaura</i> spp.	
<i>Gentiana</i> <i>dahurica</i>	
<i>Geranium</i> <i>cinereum</i>	Cranesbill
<i>Gypsophila</i> <i>repens</i>	Baby's Breath
<i>Helianthemum</i> spp.	Sunrose
<i>Hemerocallis</i> spp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Heucherella</i> spp.	Coral Bell; Bridget Bloom
<i>Hibiscus</i> spp.	Mallow; Disco Bell White
<i>Hosta</i> <i>plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>Hosta</i> <i>sieboldiana</i>	Hosta, 'Seersucker'
<i>Houttuynia</i> <i>cordata</i> var. <i>variegata</i>	
<i>Hydrangea</i> <i>macrophylla</i>	Bigleaf Hydrangea
<i>Inula</i> <i>ensifolia</i>	
<i>Iris</i> <i>ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris</i> <i>siberica</i>	Siberian Iris; Cabernet
<i>Juniperus</i> <i>davurica</i>	Parsoni
<i>Lagerstromia</i> <i>indica</i> x <i>fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana</i> <i>montevidensis</i>	Weeping Lantana
<i>Lavender</i> spp.	Lavender; Munstead
<i>Leontopodium</i> <i>alpinum</i>	Edelweiss
<i>Ligustrum</i> <i>sinense</i>	Chinese Privet; Variegated
<i>Lilium</i> spp.	Lily: Jazz
<i>Liriope</i> <i>muscaria</i> var. <i>variegata</i>	Liriope, Variegated
<i>Liriope</i> <i>spicata</i>	Liriope, Creeping
<i>Lobelia</i> <i>cardinalis</i>	Cardinal Flower, Indian Pink
<i>Loropetalum</i> <i>chinense</i>	Burgundy
<i>Lythrum</i> spp.	Loosestrife; Modern Pink
<i>Miscanthus</i> <i>sinensis</i>	Yaku Jima **, Silberfeder **
<i>Oenothera</i> <i>missouriensis</i>	Evening Primrose
<i>Osmanthus</i> <i>heterophyllus</i>	Osmanthus (False Holly): Gulf Tide
<i>Paeonia</i> <i>suffruticosa</i>	Tree Peony
<i>Pennisetum</i> <i>setaceum</i>	Fountaingrass (Dwarf) **
<i>Perovskia</i> <i>atriplicifolia</i>	
<i>Physostegia</i> <i>virginiana</i>	Dragonhead, False; Vivid
<i>Quercus</i> <i>shumardii</i>	Oak, Shumard's Red
<i>Raphiolepis</i> <i>umbellata</i>	Yedda Hawthorne

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Rhododendron</i> (including Azalea)	'Delaware Valley White' 'Flame Creeper' 'Girard Crimson' 'George L. Tabor' 'Wakeiebisu' 'White Gumpo'
<i>Rudbeckia</i> spp.	Black-Eyed Susan: Goldstrum
<i>Saxifraga</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum ceuticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea bumalda</i>	Spiraea: Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Teucrium</i> spp.	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Veronica</i> spp.	Veronica, Speedwell; Sunny Border
<i>Viburnum suspensum</i>	Arrowood Viburnum

\*\* Not for use on container grown plants.

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**NEW PLANTINGS, REPLANTING AND ROTATIONAL PLANTINGS**

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Nursery, landscape, or non-cropped land areas treated with PRE-AMINE 65 WDG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

Before planting a species not listed on this label, it is recommended that several test strips of an indicator plant such as wheat, sorghum or corn be sown into the treated area. If the indicator plants germinate and grow normally to a height of 12 inches with normal root development, it is safe to plant.

In areas disturbed by new plantings or replanting of labeled species, it may be necessary to retreat exposed soil to maintain satisfactory weed control, but do not apply more than 2.30 lbs./A per year.

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**CHEMIGATION INSTRUCTIONS – OVERHEAD SPRINKLER IRRIGATION APPLICATION**

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- Apply this product only through an overhead sprinkler irrigation system. Do not apply this product through any other type of irrigation system.

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result in non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
- To avoid injury to foliage, make sure foliage is sufficiently wet before application or adequate irrigation is applied after application.
- If sprinkler distribution patterns overlap excessively, injury to leatherleaf ferns and other ornamentals may result.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to public water systems unless pesticide label-prescribed safety devices for public water systems are in place
- If necessary, a person knowledgeable of the chemigation system and responsible for its operation, or someone under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

### **Operation Instructions**

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely effected.
6. Systems must use a metering pump such as a positive displacement injection pump (*e.g.* diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Prepare a mixture with a minimum of 20 parts of water and 1 part PRE-AMINE 65 WDG and inject this herbicide suspension mixture into the overhead system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the herbicide in suspension.
9. Before injecting PRE-AMINE 65 WDG into the system, run the irrigation system long enough to wet the foliage, then inject PRE-AMINE 65 WDG suspension mixture in the pesticide supply tank (see number 8 above) in 1 inch of irrigation water. After the application is complete, continue the irrigation until all residues are washed off the foliage.

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Pennant Magnum®, Princep® and TouchdownPro® are trademarks of a Syngenta Group Company

Finale® trademark of Bayer Environmental Science  
Goal® and Gallery® are trademarks of Dow AgroSciences  
Roundup® trademark of Monsanto Company

For non-emergency ( <i>e.g.</i> , current product information), call <u>PROACTIVE</u> , LLC at 1-203-740-1600.
---

Product of China or India  
Formulated in the USA

Container Label

# PRE-AMINE 65 WDG

## Herbicide

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients: .....35.0%

Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-XX

EPA Est. No. XXXXX-XX-XX

Product of China or India  
Formulated in the USA

Net Contents: \_\_\_\_\_ 5 lbs. \_\_\_\_\_ 10 lbs. \_\_\_\_\_ 20 lbs.

Manufactured by:  
PROACTIVE, LLC  
115 Obtuse Hill Road  
Brookfield, CT 06804

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

- Coveralls
- Chemical-resistant gloves such as butyl rubber >14 mils or natural rubber >14 mils or neoprene rubber >14 mils or nitrile rubber >14 mils
- Shoes plus socks

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### **PRECAUTIONARY STATEMENTS**

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#### **Hazards to Humans and Domestic Animals**

### **CAUTION**

May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p style="text-align: center;"><b>HOT LINE NUMBER</b>  For 24 Hour Medical Emergency Assistance (Human or Animal) or  Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)  Call  <b>1-800-222-1222</b></p>	

## Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

## Chemigation

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Paper and plastic film bags or boxes** - Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners** - Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner in an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable plastic containers.** Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**Non-refillable containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Tip container on its side and roll back and forth, ensuring at least one revolution for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a tank mix or store rinsate for later use or disposal. Repeat this procedure two more times.

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### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

Pre-Amine 65% WDG  
Lawrence Miller  
to:  
Tracy White  
08/25/2009 10:28 AM  
Show Details

Hi Tracy:

The pending application for Pre-Amine 65% WDG (EPA File Symbol 74468-RR) is an end-use product which was submitted to the Agency under the "Formulator's Exemption" provision of FIFRA using a selective cite-all method of support for the acute toxicity studies. In addition, we have a registration for prodiamine technical (EPA Reg. No. 74468-5) in which all other data citations and compensation obligations have been satisfied. - *Cite-All under Technical.*

Please let me know if you need any additional information.

Best Regards,

Larry -

Lawrence A. Miller  
PROACTIVE, LLC  
P.O. Box 5068  
115 Obtuse Hill Road  
Brookfield, CT 06804

Tel: (203) 740-1600  
Fax: (203) 740-1220  
Email: larry.miller@proactive-products.net



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To: "Lawrence Miller" <larry.miller@proactive-products.net>  
Cc:  
Bcc:  
Subject: RE: Pre-Amine 65% WDG

---

**Note to the file:**

This email, in addition to us (Joanne Miller and Tracy White) pulling the technical for this product and confirming that the registrant went "cite all" for the generic data, will be filed.

Tracy

"Lawrence Miller"      Hi Tracy: Yes. I confirm that my statements are...      08/26/2009 02:48:49 PM

From: "Lawrence Miller" <larry.miller@proactive-products.net>  
To: Tracy White/DC/USEPA/US@EPA  
Cc: Joanne Miller/DC/USEPA/US@EPA  
Date: 08/26/2009 02:48 PM  
Subject: RE: Pre-Amine 65% WDG

---

Hi Tracy:

Yes. I confirm that my statements are true and correct. Let me know if you need anything else.

Best Regards,

Larry -

Lawrence A. Miller  
PROACTIVE, LLC  
P.O. Box 5068  
115 Obtuse Hill Road  
Brookfield, CT 06804

Tel: (203) 740-1600  
Fax: (203) 740-1220  
Email: larry.miller@proactive-products.net

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-----Original Message-----

From: White.Tracy@epamail.epa.gov [mailto:White.Tracy@epamail.epa.gov]  
Sent: Wednesday, August 26, 2009 2:45 PM  
To: Lawrence Miller  
Cc: Miller.Joanne@epamail.epa.gov  
Subject: Re: Pre-Amine 65% WDG

Thanks for the email Larry,  
Just want to confirm that you are saying that this satisfies the generic

data requirements. Thanks.

Tracy White  
Herbicide Branch  
Environmental Protection Agency

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|----->
| From: |
|----->

>-----
|-----|
| "Lawrence Miller" <larry.miller@proactive-products.net>
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>-----
|-----|
|----->
| To: |
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| Tracy White/DC/USEPA/US@EPA
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|----->
| Date: |
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| 08/25/2009 10:28 AM
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|----->
| Subject: |
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| Pre-Amine 65% WDG
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Hi Tracy:

The pending application for Pre-Amine 65% WDG (EPA File Symbol 74468-RR) is an end-use product which was submitted to the Agency under the "Formulator's Exemption" provision of FIFRA using a selective cite-all

method of support for the acute toxicity studies. In addition, we have a registration for prodiamine technical (EPA Reg. No. 74468-5) in which all other data citations and compensation obligations have been satisfied.

Please let me know if you need any additional information.

Best Regards,

Larry -

Lawrence A. Miller  
PROACTIVE, LLC  
P.O. Box 5068  
115 Obtuse Hill Road  
Brookfield, CT 06804

Tel: (203) 740-1600  
Fax: (203) 740-1220  
Email: larry.miller@proactive-products.net

(Embedded image moved to file: pic26824.jpg)cid:3327824320\_493059

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OPPTS/OPP/RD/TRB/PRODUCT CHEMISTRY TEAM

WASHINGTON, D.C. 20460

DATE OUT: August 7, 2009

SUBJECT: FEE: Product Chemistry Review of the EP 'Pre-Amine 65 WDG' Reg No 74468-RR  
Barcode #: 364943 Decision #: 408783 PC Code(s): 110201 Food Use: No

FROM: Linda L. Kutney, Chemist *Linda L. Kutney* *SFB*  
Product Chemistry Team *8-7-09*  
Technical Review Branch/RD (7505P) *8/10/09*

TO: Joanne Miller, Tracy White, RM-23  
Fungicide Branch/ RD (7505P)

INTRODUCTION:

In a letter dated April 7, 2009, Biologic, agent for Proactive, LLC, submitted product chemistry data to support registration of their new end use product, Pre-Amine 65 WDG, submitted under MRID 477258-01. The label claim for this product is 65.0% prodiamine. There are no food uses proposed for this product. A new basic and an alternate CSF, dated March 27, 2009, were proposed.

The Registrant has claimed substantial similarity between the product chemistry of their new product and the one having Reg No 60063-26.

SUMMARY OF FINDINGS:

1. The nominal concentration of the ai(s) in the proposed CSF agrees with the label claim (PRN 91-2 is satisfied).
2. All inert components of the CSF are approved for the proposed use(s).
3. The physical chemical hazard and storage and disposal statements on the label are appropriate.
4. The enforcement analytical method is an GC/FID method (p 17-18).
5. All requirements specified in 40CFR 152.43 for alternate formulations have been satisfied.

#### TRB CONCLUSIONS:

1. The basic and alternate CSFs (dated 3-27-09) are acceptable.
2. The product chemistry of the proposed product is substantially similar to that of the product having Reg No 60063-26.
3. Product chemistry Group A data are acceptable. This includes acceptable data concerning materials used to produce the product, formulation process, impurity formation, certified limits, and enforcement method -Guidelines 830.1600, 830.1650, 830.1670, 830.1750, 830.1800, respectively.
4. Except for storage stability / corrosion studies, Guidelines 830.6317 / 830.6320, which were not supplied and are required, the remaining product chemistry Group B data fulfill the data requirements.
5. The storage stability / corrosion studies, Guidelines 830.6317 / 830.6320, must be provided for this product.
6. Group B product chemistry data are attached.

**VII. Submittal of Samples 830WDG.1900**

Not required at this time for this end-use product.

PRE-AMINE 830WDG DP364943 FROM MRID 477258-01

**VIII. Group B – Physical/Chemical Properties**

**830WDG.6302 Color:** Yellow

**830WDG.6303 Physical State:** Solid granules

**830WDG.6304 Odor:** Earthy vanilla

**830WDG.6314 Oxidation/Reduction:** Not applicable. Neither the technical grade active ingredient nor the inert ingredients are considered as strong oxidizing or reducing agents.

**830WDG.6315 Flammability:** Non-flammable.

**830WDG.6316 Explodability:** Not applicable. Neither the technical grade active ingredient nor the inert ingredients are considered as potentially explosive.

**830WDG.6317 Storage Stability:** The end-use product is an existing commercial formulation which is compatible with triple plastic lined paper bags and HDPE plastic bags.

**830WDG.6320 Corrosion Characteristics:** Not applicable. Product is not corrosive to its commercial packaging.

**830WDG.6321 Dielectric Breakdown Voltage:** Not applicable. Not intended for use around electrical equipment.

**830WDG.7000 pH:** 7.87

**830WDG.7300 Density:** 39.64 lbs./cu.ft.

**IX. Conclusion**

Product identity and composition, and results of the Group B – Physical and Chemical Properties of the end-use product is completely disclosed in this report. This information supports the conclusion that the end-use product meets the requirements for a commercial quality pesticide product.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

**TECHNICAL REVIEW BRANCH  
SIMILARITY CLINIC DETERMINATION**

21/JUL/2009

MEMORANDUM

Subject: Name of Pesticide Product: Pre-Amine 65 WDG  
EPA Reg. No. /File Symbol: 74468-RR  
DP Barcode: D364947  
Decision No: 408783  
Action Code: R301  
PC Code: 110201 (prodiamine)

From: Eugenia McAndrew, Biologist  
Technical Review Branch  
Registration Division (7505P)

*E. McAndrew*  
*M. W. (Team Leader - Tox)*

To: Tracy White, RM Team 23  
Herbicide Branch  
Registration Division (7505P)

Applicant: ProActive, LLC  
115 Obtuse Hill Road  
Brookfield, CT 06804

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Prodiamine	65.0
<u>Inert Ingredient(s):</u>	<u>35.0</u>
Total:	100.0%

**ACTION REQUESTED:** The Risk Manager requests: Please confirm company claim of being substantially similar to EPA Reg. No. 60063-26.

**BACKGROUND:** ProActive, LLC has applied for registration of Pre-Amine 65 WDG, EPA File Symbol 74468-RR, claiming similarity to Sipcam Prodiamine 65 WDG, EPA Reg. No. 60036-26. Prodiamine 65.0% is the active ingredient in both products. The Registrant is using the cite-all method of data support to satisfy the acute toxicity data requirements.

A search of the OPP electronic databases shows that TRB assigned an acute toxicity profile to the cited product, 60036-26, in a prior similarity determination (McAndrew; D293547; 02/OCT/2003).

**RECOMMENDATIONS:**

1. TRB has evaluated the formulations of the proposed product, 74468-RR, and the cited product, 60036-26, and has concluded that the two products are substantially similar.
2. The acute toxicity profile for the proposed product, Pre-Amine 65 WDG, EPA File Symbol 74468-RR, is as follows:

acute oral toxicity	IV	cited	EPA Reg. No. 60036-26
acute dermal toxicity	IV	cited	EPA Reg. No. 60036-26
acute inhalation toxicity	IV	cited	EPA Reg. No. 60036-26
primary eye irritation	III	cited	EPA Reg. No. 60036-26
primary skin irritation	IV	cited	EPA Reg. No. 60036-26
dermal sensitization	negative	cited	EPA Reg. No. 60036-26

3. This memorandum pertains only to the decision concerning whether the subject product is similar to the cited product from an acute toxicological view point. For the purposes of this action, TRB has made no further determination of the adequacy of the toxicological data base or the precautionary label of the cited product.

4. The proposed basic and alternate CSFs dated March 27, 2009 should be approved by the TRB Product Chemistry Team.

**LABELING:** Based on the toxicity profile above, the following are the precautionary and first aid statements for this product as obtained from the Label Review System:

**PRODUCT ID #:** 074468-00011

**PRODUCT NAME:** Pre-Amine 65 WDG

**PRECAUTIONARY STATEMENTS**

**SIGNAL WORD:** CAUTION

**Hazards to Humans and Domestic Animals:**

Causes moderate eye irritation. Avoid contact with eyes or clothing. [Wear protective eyewear.]\* Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear: Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as Natural Rubber, Selection Category A).

\*[Protective eyewear may be specified, if appropriate.]

**First Aid:**

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.

# PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

3/23/09

21 Day Screen Start Date: 04/10/09

Experts In-Processing Signature: JK UXTUGES Date 04/16/09 Fee Paid: Yes ☒

Division management contacted on issues No ☐ Yes ☐ Date \_\_\_\_\_

EPA Reg. Number: <u>74468-RR</u>		EPA Receipt Date: <u>04/10/09</u>				
Items for Review				Yes	No	N/A*
1	<b>Application Form</b> (EPA Form 8570-1)(link to form) signed & complete including package type			✓		
2	<b>Confidential Statement of Formula</b> all boxes completed, form signed, and dated (EPA Form 8570-4) (Link to form)			✓		
	a) All inerts (link to <a href="http://www.epa.gov/opprd001/inerts/">http://www.epa.gov/opprd001/inerts/</a> ), including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	<b>Certification with Respect to Citation of Data</b> (EPA Form 8570-34) (Link to form) completed and signed (N/A if 100% repack)			✓		
	Certificate and data matrix consistent			✓		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	<b>Formulator's Exemption Statement</b> (EPA Form 8570-27) (Link to form) completed and signed (N/A if source is unregistered or applicant owns the technical)			✓		
	<b>Data Matrix</b> (EPA Form 8570-35) (Link to form) both internal and external copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if 100% repack)			✓		
5	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)	✓				
	c) Applicant owns all data (Fee category experts use)					
6	<b>5 Copies of Label</b> (link to <a href="http://www.epa.gov/oppfead1/labeling/lrm/">http://www.epa.gov/oppfead1/labeling/lrm/</a> ) (Electronic labels on CD are encouraged and guidance is available)( link to <a href="http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels">http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels</a> )			✓		

7	Is the data package consistent with PR Notice 86-5 (link to PRN 86-5)	X		
8	Notice of Filing (link to <a href="http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm">http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm</a> ) included with petitions (link to <a href="http://www.epa.gov/pesticides/regulating/tolerances.htm">http://www.epa.gov/pesticides/regulating/tolerances.htm</a> )			X
9	If applicable for conventional applications, reduced risk rationale (link to <a href="http://www.epa.gov/opprd001/workplan/reducedrisk.html">http://www.epa.gov/opprd001/workplan/reducedrisk.html</a> )			X
10	Required Data (link to <a href="http://www.epa.gov/pesticides/regulating/data_requirements.htm">http://www.epa.gov/pesticides/regulating/data_requirements.htm</a> ) and/or data waivers. See Footnote C.			
	a) List study (or studies) not included with application			

**Comments:**

\* The study accompanying this submission has passed the PRN-86-5 Review.

MRID: 477258

\* N/A – Not Applicable

**Footnotes**

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses **even if a product is currently registered** by consulting the inert Web

site [link to <http://www.epa.gov/opprd001/inerts/lists.html>] and if the inert is not approved, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient**. Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at [inertsbranch@epa.gov](mailto:inertsbranch@epa.gov) and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to [http://www.epa.gov/oppbppd1/biopesticides/contacts\\_bppd.htm](http://www.epa.gov/oppbppd1/biopesticides/contacts_bppd.htm)].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to <http://www.epa.gov/opprd001/inerts/tips.pdf>] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

### **Unapproved Inerts Identified on CSFs**

#### **All applications except conventional new products and PIPs**

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

#### Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or
2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)
3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

#### PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or
2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

April 15, 2009

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

OPP Decision Number: D-408783  
EPA File Symbol or Registration Number: 74468-RR  
Product Name: PRE-AMINE 65 WDG  
EPA Receipt Date: 10-Apr-2009  
EPA Company Number: 74468  
Company Name: PROACTIVE LLC

JANE M. MILLER  
BIOLOGIC, INC.  
PROACTIVE LLC  
115 OBTUSE HILL ROAD  
BROOKFIELD, CT 06804-

SUBJECT: Receipt of Registration Application Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your application and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R301  
NEW PRODUCT; IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND  
USE TO A REGISTERED PRODUCT; REGISTERED SOURCE OF ACTIVE  
INGREDIENT; SELECTIVE DATA CITATION ONLY FOR DATA ON PRODUCT  
CHEMISTRY / ACUTE TOXICITY / PUBLIC HEALTH PEST EFFICACY, WHERE  
APPLICANT DOES NOT OWN ALL REQUIRED DATA NOR HAS AUTHORIZATION  
LETTER FROM DATA OWNER;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee  
Ombudsman at (703) 305-6249.

Sincerely,  
*Teresa Towns*  
Front End Processing Staff  
Information Technology & Resources Management Division

**Fee for Service**

{848468Z~

This package includes the following

☒ New Registration

☐ Amendment

☒ Studies? ~~Fee~~ Waiver?

☐ volpay % Reduction: \_\_\_\_

for Division

☐ AD

☐ BPPD

☒ RD

Risk Mgr.

23

Receipt No.

S-

848468

EPA File Symbol/Reg. No.

74468-RR

Pin-Punch Date:

4/10/2009

☐ This item is NOT subject to FFS action.

Action Code:

Requested:

1301

Granted:

12301

Amount Due: \$ 1638

*Inerts approved. S. Rock 4/16/09*

Parent/Child Decisions:

☒ Inert Cleared for Intended Use

☐ Uncleared Inert in Product

Reviewer:

*L. A.*

Date:

*4/15/09*

Remarks:

## Online Payment

## Step 3: Confirm Payment

1 | 2 | 3

Thank you.

Your transaction has been successfully completed.

## Pay.gov Tracking Information

Application Name: PRIA Service Fees

Pay.gov Tracking ID: 24VD462S

Agency Tracking ID: 74068400221

Transaction Date and Time: 04/09/2009 14:27 EDT

## Payment Summary

## Address Information

Account Holder Name: Jane M. Miller  
115 Obtuse Hill

Billing Address: Road

Billing Address  
2:

City: Brookfield

State / Province: CT

Zip / Postal  
Code: 06804

Country: USA

## Account Information

Card Type: Visa

Card Number: \*\*\*\*\*0690

Decision Number:

Registration  
Number:

## Payment Information

Payment Amount: \$1,638.00

Transaction Date 04/09/2009  
and Time: 14:27 EDT

**Jane Miller**

---

**From:** <paygovadmin@mail.doc.twai.gov>  
**To:** <ljzmiller2@msn.com>  
**Sent:** Thursday, April 09, 2009 2:27 PM  
**Subject:** Pay.Gov Payment Confirmation

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

Your transaction has been successfully completed.

Payment Summary

Application Name: PRIA Service Fees  
Pay.gov Tracking ID: 24VD462S  
Agency Tracking ID: 74068400221

Account Holder Name: Jane M. Miller  
Transaction Type: Sale  
Billing Address: 115 Obtuse Hill Road  
City: Brookfield  
State/Province: CT  
Zip/Postal Code: 06804  
Country: USA  
Card Type: Visa  
Card Number: \*\*\*\*\*0690  
Payment Amount: \$1,638.00  
Transaction Date: Apr 9, 2009 2:27:29 PM

Decision Number:  
Registration Number:



United States  
Environmental Protection Agency  
Washington, DC 20460

☒  
☐  
☐

Registration  
Amendment  
Other

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number 74468- <del>XXX</del> <b>PR</b>	2. EPA Product Manager J. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) PRE-AMINE 65 WDG	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) ProActive, LLC P.O. Box 5068 Brookfield, CT 06804 <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <b>60063-26</b> Product Name <b>Cavalcade 65WDG</b>	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products as published in the August 2008 Federal Register. This product is further defined under EPA No. 301; CR No. 45. ProActive is using the selective method of support for acute toxicity data. The PRIA fee for this application is \$1,638.

Miller Tel: (203) 740-1200; Fax: (203) 740-1220; Email: jmill@biologicconsulting.com

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
* Certification must be submitted				<input checked="" type="checkbox"/> Plastic	
If "Yes" Unit Packaging wgt. 4 oz.	No. per container 100	If "Yes" Package wgt.	No. per container	<input checked="" type="checkbox"/> Glass	
				<input checked="" type="checkbox"/> Paper	
				Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 5, 10, 20 lbs.		5. Location of Label Directions <input checked="" type="checkbox"/> on label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Jane M. Miller		Title Agent		Telephone No. (Include Area Code) 203-740-1200	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received  (Stamped)
2. Signature 		3. Title Agent			
4. Typed Name Jane M. Miller		5. Date April 7, 2009			

124

April 7, 2009

Document Processing Desk (REGFEE)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

Attention: Ms. Joanne Miller (PM #23)  
RE: PRE-AMINE 65 WDG; EPA Reg. No. 74468-XXX  
Application for Pesticide Registration

Dear Ms. Miller:

On behalf of ProActive, LLC we are submitting an Application for Pesticide Registration for the above mentioned product. The subject product is a herbicide for selective preemergent control of grass and broadleaf weeds in lawns and ornamental turf, landscape ornamentals, established perennials and wildflower plantings. The nominal concentration of prodiamine in the product is 65%.

The following documents are enclosed to process this registration:

Volume 1 Administrative Materials

- Application for Pesticide Registration (EPA Form 8570-1)
- Certification With Respect to Citation of Data (EPA Form 8570-34)
- Data Matrix (EPA Form 8570-35)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Confidential Statement of Formula (EPA Form 8570-4)
- Five (5) copies of draft labeling

Volume 2 Product Identity and Composition and Physical and Chemical Characteristics

OPPTS Numbers 830.1550 through 830.7300

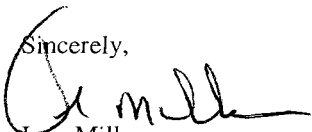
This application is submitted under the Formulator's Exemption provision of FIFRA section 3(c)(2)(D). In addition, according to FIFRA section 3(c)(3)(b)(i) this application qualifies for an expedited review on the basis that this product is substantially similar in labeling and composition to "Cavalcade 65WDG", EPA Reg. No. 60063-26.

To satisfy the data requirements for acute toxicity data, ProActive has chosen the cite-all option under the selective method of support and has sent offer to pay letters to those companies appearing on the enclosed data matrix.

This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products, EPA No. R301; CR No. 45. The PRIA fee for this application is \$1,638.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,



Jane Miller  
Agent to ProActive, LLC

April 7, 2009

Document Processing Desk (REGFEE)  
Office of Pesticide Programs (7504P)  
US Environmental Protection Agency  
One Potomac Yard  
2777 S. Crystal Drive  
Room S-4900, 4<sup>th</sup> Floor  
Arlington, VA 22202

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RE: PRE-AMINE 65 WDG; EPA Reg. No. 74468-XXX  
Application for Pesticide Registration

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Volume 2 Product Identity and Composition and Physical and Chemical Characteristics

**47725801** OPPTS Numbers 830.1550 through 830.7300

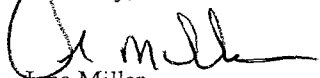
This application is submitted under the Formulator's Exemption provision of FIFRA section 3(c)(2)(D). In addition, according to FIFRA section 3(c)(3)(b)(i) this application qualifies for an expedited review on the basis that this product is substantially similar in labeling and composition to "Cavalcade 65WDG", EPA Reg. No. 60063-26.

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This application for a new pesticide product will fall within the category on Table 4 - Registration Division: New Products, EPA No. R301; CR No. 45. The PRIA fee for this application is \$1,638.

Should you have any questions, or wish to reach me, please feel free to contact our office at 203-740-1200.

Sincerely,

  
Jane Miller  
Agent to ProActive, LLC



United States  
Environmental Protection Agency  
Washington, DC 20460  
**Formulator's Exemption Statement**  
(40 CFR 152.85)

Form Approved MB No. 2070-0060. Approval Expires 5-31-98.

**Applicant's Name and Address**

ProActive, LLC  
P.O. Box 5068  
Brookfield, CT 06804

**EPA File Symbol/Registration Number**

74468-XXX

**Product Name**

PRE-AMINE 65 WDG

**Date of Confidential Statement of Formula (EPA Form 8570-4)**

March 27, 2009

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Prodiamine

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another producer, and is labeled for at least each use for which my product is proposed to be labeled.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

**Source**

Active Ingredient	Product Name	Registration Number
Prodiamine		
*Product ingredient source information may be entitled to confidential treatment*		
Signature	Name and Title	Date
	Jane M. Miller, Agent	4/7/2009



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.  
WASHINGTON, D.C. 20460

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

## Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number  
ProActive, LLC P. O. Box 5068 Brookfield, CT 06804

EPA Registration Number/File Symbol  
74468-XXX

Active Ingredient(s) and/or representative test compound(s)  
Prodiamine

Date  
April 7, 2009

General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158)  
Terrestrial non-food

Product Name  
PRE-AMINE 65 WDG

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

## SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

## SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☒ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

## SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature

Date

April 7, 2009

Typed or Printed Name and Title

Jane M. Miller, Agent

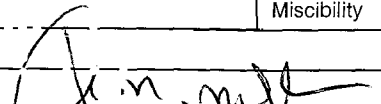
## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.

WASHINGTON, D.C. 20460

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## DATA MATRIX

Date April 7, 2009			EPA Reg. No./File Symbol 74468-XXX		Page 1 of 3
Applicant's/Registrant's Name & Address			Product:		
ProActive, LLC c/o Biologic, Inc. 115 Obtuse Hill Road Brookfield, CT 06804			PRE-AMINE 65 MC		
Ingredient Prodiamine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830-1550	Product Identity and Composition		ProActive, LLC	Own	
830.1600	Description of Materials Used to Produce the Product		ProActive, LLC	Own	
830-1650	Description of Formulation Process		ProActive, LLC	Own	
830.1670	Discussion of Formation of Impurities		ProActive, LLC	Own	
830-1700	Preliminary Analysis		ProActive, LLC	Own	
830.1750	Certified Limits		ProActive, LLC	Own	
830.1800	Enforcement Analytical Method		ProActive, LLC	Own	
830.1900	Submittal of Samples				1
830.6302	Color		ProActive, LLC	Own	
830.6303	Physical State		ProActive, LLC	Own	
830.6304	Odor		ProActive, LLC	Own	
830.6314	Oxidation/Reduction				2
830.6315	Flammability / Flame Extension				3
830.6316	Explosibility				4
830.6317	Storage Stability				5
830.6319	Miscibility				6
Signature 			Name and Title		Date
			Jane M. Miller, Agent		04/07/2009

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Agency Internal Use Copy

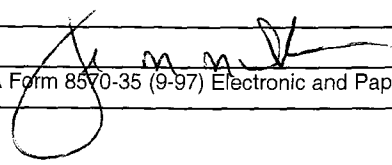
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Ingredient Prodiamine					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics				7
830.6321	Dielectric Breakdown Voltage				8
830.7000	pH		ProActive, LLC	Own	
830.7100	Viscosity				9
830.7300	Density		ProActive, LLC	Own	
870.1100	Acute Oral Toxicity	Cite-All	Syngenta Crop Protection	PAY	
870.1200	Acute Dermal Toxicity	Cite-All	Syngenta Crop Protection	PAY	
870.1300	Acute Inhalation	Cite-All	Syngenta Crop Protection	PAY	
870.2400	Acute Eye Irritation	Cite-All	Syngenta Crop Protection	PAY	
870.2500	Acute Dermal Irritation	Cite-All	Syngenta Crop Protection	PAY	
870.2600	Skin Sensitization	Cite-All	Syngenta Crop Protection	PAY	
Signature			Name and Title		Date
			Jane M. Miller, Agent		04/07/2009

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### **DATA MATRIX FOOTNOTES**

1. **Submittal of Samples:** Not required at this time.
2. **Oxidation/Reduction:** Not applicable. Product does not contain oxidizing or reducing agents.
3. **Flamability / Flame Extension:** Not applicable. Product is not combustible.
4. **Explodability:** Not applicable. Product is not potentially explosive.
5. **Storage Stability:** Will be submitted if required.
6. **Miscibility:** Not applicable. Product is not a liquid.
7. **Corrosion Characteristics:** Will be submitted if required.
8. **Dielectric Breakdown Voltage:** Not applicable. Product is not intended for use around electrical equipment.
9. **Viscosity:** Not applicable. Product is not a liquid.

Booklet

# PRE-AMINE 65 WDG

## Herbicide

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients:.....35.0%

Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-XX

EPA Est. No. XXXXX-XX-XX

Product of China or India  
Formulated in the USA

Net Contents: \_\_\_\_ 5 lbs. \_\_\_\_ 10 lbs. \_\_\_\_ 20 lbs.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b>  For 24 Hour Medical Emergency Assistance (Human or Animal) or  Chemical Emergency Assistance (Spill, Leak, Fire, or Accident)  Call  <b>1-800-222-1222</b></p>	

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## PRECAUTIONARY STATEMENTS

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**Hazards to Humans and Domestic Animals**

## CAUTION

May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

## Personal Protective Equipment

### WPS Uses:

Applicators, mixers, loaders, and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR part 170) - in general, agricultural-plant uses are covered - must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as butyl > 14 mils, or neoprene rubber > 14 mils, or nitrile rubber > 14 mils (See instructions for Category A on the EPA chemical resistance category selection chart B if you want other options.
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

## Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### User Safety Recommendations

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- After handling this product immediately remove PPE, wash yourself thoroughly and change into clean clothing.

## Environmental Hazards

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.** Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Paper and plastic film bags or boxes -** Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners –** Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner at an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable plastic containers -** Do not re-use or refill this container. Offer for recycling if available. Triple rinse (or equivalent) promptly after emptying.

**Non-refillable containers less than 5 gallons -** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

## Chemigation

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

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## GENERAL INFORMATION

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### WHERE TO USE

PRE-AMINE 65 WDG is a preemergence herbicide that provides residual control of many grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Established perennial and wildflower plantings
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

### HOW PRE-AMINE 65 WDG WORKS

PRE-AMINE 65 WDG controls susceptible weeds by preventing growth and development of newly germinated weeds. Weed control is most effective when PRE-AMINE 65 WDG is activated by at least 0.5 inch of rainfall or irrigation or shallow incorporation (1-2 inches) before weed seeds germinate and within 14 days following application.

### USE PRECAUTIONS

1. Do not graze or feed livestock forage cut from areas treated with PRE-AMINE 65 WDG.
2. Follow all applicable directions, restrictions, and precautions on the labels of EPA-registered tank mix partners.
3. Do not blend PRE-AMINE 65 WDG onto dry fertilizer or any other granular material.
4. **Chemigation:** Do not apply this product through any type of irrigation system unless instructed otherwise in this label.
5. Do not apply aerially.
6. Do not apply to golf course putting greens.

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## MIXING AND APPLICATION PROCEDURES

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### MIXING PRE-AMINE 65 WDG ALONE

PRE-AMINE 65 WDG must be mixed thoroughly in the spray tank to ensure uniform application. Follow these steps.

1. Fill the spray tank  $\frac{1}{4}$  full with clean water only.
2. Start agitation and check to ensure it is working properly.
3. For tank mixing instructions, refer to the section "**Mixing Order for Tank Mixtures.**"
4. Maintain vigorous agitation in the spray tank before and during the application. This will ensure a well-mixed spray suspension. If PRE-AMINE 65 WDG was mixed with fertilizer in the spray tank, the fertilizer may aid resuspension of PRE-AMINE 65 WDG if agitation is disrupted. However, it is recommended that the entire tank be used before stopping agitation.
5. A spray colorant may be used with PRE-AMINE 65 WDG to mark areas as they are treated. This will improve application accuracy by minimizing swath skips and overlaps.
6. Thoroughly clean the sprayer after use by flushing the system with water containing a detergent.
7. Refer to the **Pesticide Disposal** section of this label for waste disposal. Do not allow spray suspension to dry in the tank.

### TANK MIXING PRE-AMINE 65 WDG

PRE-AMINE 65 WDG may be tank mixed with certain other EPA-registered herbicides to provide a broader spectrum of weed control or to control emerged weeds. Refer to the specific directions for use for tank mix partners, and refer to the label(s) of the individual tank mix partner(s) for use rate, application timing, weeds controlled, and specific precautions and/or restrictions. Tank mixes are permitted only in states where the tank mix partner(s) are registered for the application site and the turf and ornamental species listed. When using PRE-AMINE 65 WDG in a tank mixture with other pesticides, follow restrictions and precautions on the labels of the products used.

Before tank mixing pesticides, test compatibility by mixing the products in a small container first. See the **Compatibility Test** section.

## COMPATIBILITY TEST

Before mixing PRE-AMINE 65 WDG with other pesticides in the spray tank, test for compatibility by mixing all components (carrier and pesticide products) in an appropriate container in proportionate quantities. For example, 1 qt. would be 1/100th the volume of a 25 gals./A spray rate. At 1.0 lb./A, the PRE-AMINE 65 WDG rate would be proportional to 4.5 grams per quart. Add approximately 1.5 teaspoons to a quart of water. Calculate amounts for the other products based on rate per acre. An approximate volume would be 1.5 teaspoons for each lb./A of a dry formulation and 0.5 teaspoons for each pt./A of a liquid formulation. (See following table)

**Amount of Component to Add to One Quart of Spray Carrier  
(Assuming Carrier Volume of 25 gals./A)**

<b>Component Formulations</b>	<b>Rate Per</b>		<b>Level Teaspoons</b>
	<b>Acre</b>	<b>1,000 sq. ft.</b>	
PRE-AMINE 65 WDG	1.0 lb.	0.4 oz	1.5
Dry Tank Mix Partners	1.0 lb.	0.4 oz.	1.5
Liquid Tank Mix Partners	1.0 pt.	0.4 oz.	0.5

If components do not ball-up or form flakes, sludge, gels, oily films, or layers, then the mixture is compatible. Let the mixture stand for 15 minutes. Incompatibility will usually occur within 5 minutes after mixing. If components are not compatible, use a compatibility agent and rerun the test to determine if the mixture is suitable. If the components are still not compatible, do not tank mix.

## MIXING ORDER FOR TANK MIXTURES

**Notes:** (1) When mixing PRE-AMINE 65 WDG with other components (carrier and partner pesticide products), allow products to completely dissolve between steps. This is important when tank mixing with ester formulations. (2) Maintain agitation throughout mixing and application of the mixture.

**Add the products to the spray tank in the following order:**

1. Add products packaged in water-soluble bags first. Agitate the tank mixture. Allow the water-soluble bags to completely dissolve and the products to disperse before adding any other tank mix partner.
2. Then add water-dispersible granules (WDG or WG formulations) and wettable powders (WP formulations). Add wettable powders to the tank as agitation continues. Allow the product to disperse completely before other products are added.
3. Add spray adjuvants and spray markers. Read the adjuvant's label first and use only those adjuvants approved for application to turf and ornamentals.
4. Add PRE-AMINE 65 WDG, other flowable liquids (FL) or suspension concentrates (SC).
5. Add emulsifiable concentrates (EC) last.

## APPLICATION

Apply PRE-AMINE 65 WDG in a minimum of 20 gals./A (0.5 gal./1,000 sq. ft.) of carrier (water and/or fluid fertilizer) using a calibrated, low-pressure sprayer with 50-mesh or coarser screens. A broadcast boom or handheld wand designed for herbicide or insecticide application will provide the best results. Select nozzle pressure and gallonage to provide complete coverage.

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### SPECIFIC USE DIRECTIONS

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#### ESTABLISHED TURF

PRE-AMINE 65 WDG is a preemergence herbicide that, when properly applied, will control certain grass and broadleaf weeds in established turfgrasses including:

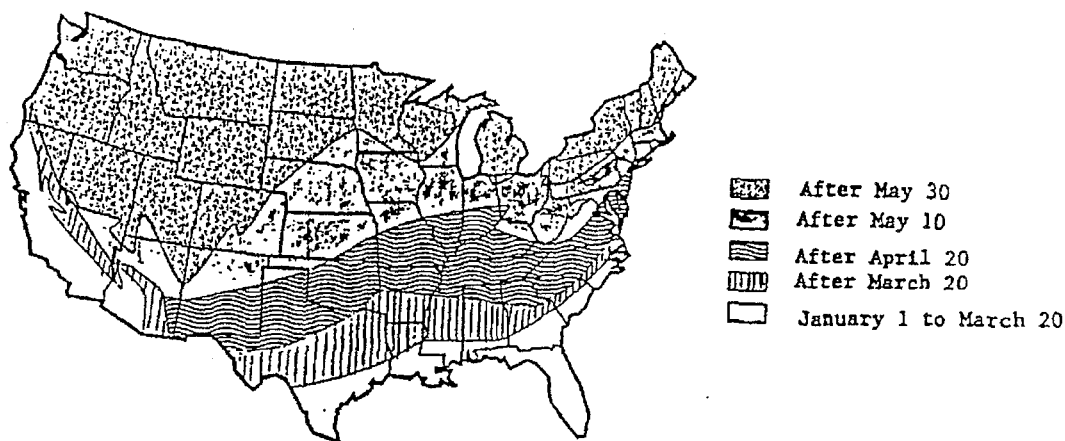
- Golf courses **excluding** putting greens
- Lawns
- Sod nurseries

The maximum amount of PRE-AMINE 65 WDG that may be applied per year is given for each turfgrass species in the **Annual Use Rates** section of this label.

For optimum weed control, PRE-AMINE 65 WDG should be activated by at least 0.5 inch of rainfall or irrigation before weed seeds germinate and within 14 days following application. See the map below for approximate crabgrass seed germination dates.

#### Crabgrass Seed Germination Dates

Approximate Date



## Use Precautions - Turfgrass: Golf Courses, Lawns, and Sod Nurseries

1. Do not apply PRE-AMINE 65 WDG to areas where dichondra, colonial bentgrass, velvet bentgrass or annual bluegrass (*Poa annua*) are desirable species.
2. Do not cut (harvest) treated sod before 90 days after application. To avoid turfgrass injury, do not apply to newly set sod until the sod has rooted and exposed edges have filled in.
3. To avoid turfgrass injury do not apply PRE-AMINE 65 WDG to turf stressed by conditions such as drought, low fertility, or pest damage.
4. Disturbing the herbicide barrier with cultural practices such as disking may result in reduced weed control.
5. **Do not apply PRE-AMINE 65 WDG to golf course putting greens.**
6. If you consistently mow creeping bentgrass at a height of less than 0.5 inch do not apply PRE-AMINE 65 WDG.

## Application Timing And Rate - Turfgrass

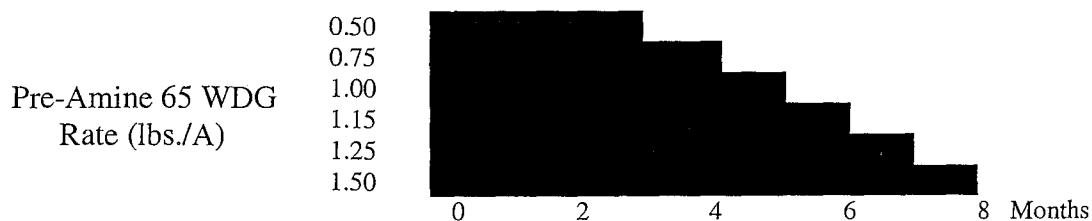
PRE-AMINE 65 WDG may be applied as a single application or in sequential applications to control weeds germinating throughout the year. All applications must be made before target weeds germinate because **PRE-AMINE 65 WDG will not control weeds that have already emerged.**

The amount of PRE-AMINE 65 WDG to apply depends upon:

1. the length of residual weed control desired (the higher the application rate, the longer the control),
2. the turf species,
3. the maximum amount which can be applied to the turf species per calendar year.

(See the next 2 tables.)

### Length of Crabgrass Control \*



\* Length of control varies by region. This table is an average for planning purposes.

## Annual Use Rates - Turfgrass

PRE-AMINE 65 WDG can be applied to the turfgrass species listed in the following table.

**Note:** Do not apply more than the highest rate listed for each species in a calendar year.

Maximum Application Rate of PRE-AMINE Per Calendar Year by Turf Species .		
Turf Species	Lbs. Product/A	Wt. Oz. Product/1,000 sq. ft.
Bermudagrass <sup>2</sup> Bahiagrass Centipedegrass Kikuyugrass Seashore Paspalum St. Augustinegrass <sup>3</sup> Tall Fescue (including turf-type) Zoysiagrass	1.00-2.30 <sup>1</sup>	0.36-0.83
Buffalograss Kentucky Bluegrass Perennial Ryegrass	0.50-1.50 <sup>1</sup>	0.185-0.55
Fine Fescue	0.50-1.15 <sup>1</sup>	0.185-0.42
Creeping Bentgrass (0.5 inch or more in height <sup>4</sup> )	0.50-1.00 <sup>1</sup>	0.185-0.37

<sup>1</sup> PRE-AMINE 65 WDG may be applied more than once a year as long as the total amount applied is not greater than the maximum application rate for each turf species. All applications must be made before weed seeds germinate.

<sup>2</sup> May be used on newly sprigged or plugged bermudagrass at rates not to exceed 0.80 lbs./A (0.30 wt. oz./1,000 sq. ft.). Newly sprigged or plugged bermudagrass stolon rooting may be temporarily inhibited.

<sup>3</sup> Use an initial rate of 0.75-1.50 lbs./A per application.

<sup>4</sup> To avoid grass injury, do not apply PRE-AMINE 65 WDG to creeping bentgrass mowed at less than 0.5 inch in height.

## Weeds Controlled

When used as directed in this label, PRE-AMINE 65 WDG will control the following weeds:

Barnyardgrass	Kochia
Bluegrass, Annual ( <i>Poa annua</i> ) <sup>1</sup>	Lambsquarters, Common
Carpetweed	Panicum (Texas, Fall, Browntop)
Chickweed, Common <sup>2</sup>	Pigweed
Chickweed, Mouseear (from seed)	Purslane, Common
Crabgrass (Large, Smooth) <sup>3</sup>	Pusley, Florida
Crowfootgrass	Rescuegrass <sup>4</sup>
Cupgrass, Woolly	Shepherdspurse <sup>2</sup>
Foxtails, Annual	Signalgrass, Broadleaf
Goosegrass <sup>5</sup>	Speedwell, Persian
Henbit <sup>2</sup>	Sprangletop
Itchgrass	Spurge, Prostrate
Johnsongrass (from seed)	Witchgrass
Junglerice	Woodsorrel, Yellow (from seed)
Knotweed <sup>2</sup>	

<sup>1</sup> In those areas where *Poa annua* is a winter annual, apply PRE-AMINE 65 WDG (*see* rate table) in August or September to established, non-overseeded turf before *Poa annua* seeds germinate. These timings are approximate. Consult State Extension Service for more specific timing for your area. Also see the section of this label ***Poa annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX Only)**

<sup>2</sup> To control this weed, apply PRE-AMINE 65 WDG in late summer, fall, or winter before weeds germinate.

<sup>3</sup> **Fall Applications for Spring Crabgrass Control in Cool-Season Grasses:**  
In those areas where the ground freezes in the winter, PRE-AMINE 65 WDG can be applied in the fall at rates of 1.00-1.15 lbs./A after soil temperatures fall below 50°F, but before the ground freezes. This application will control crabgrass the following spring.

<sup>4</sup> Suppression only.

<sup>5</sup> In many areas a single application of 1.00-2.30 lbs./A of PRE-AMINE 65 WDG will control goosegrass. However, under heavy goosegrass pressure and/or an extended growing season, weed control will be most effective by making an initial application of 1.00-1.50 lbs./A followed by a second application 60-90 days later. **Note: Do not exceed** the maximum rate for the turf species listed in the **Maximum Application Rates Table**.

## When to Apply PRE-AMINE 65 WDG After Overseeding Turf

Injury to desirable seedlings is likely if PRE-AMINE 65 WDG is applied before the secondary roots of seedlings are in the second inch of soil, not thatch plus soil. To reduce the potential to injure overseeded turf, wait 60 days after seeding or until after the second mowing, whichever is longer, before applying PRE-AMINE 65 WDG.

## When to Overseed After Application - All States

PRE-AMINE 65 WDG will inhibit the development of turfgrass species overseeded too soon after application. Follow rates and intervals in the table below for best overseeding/reseeding results.

\*Note: In AZ, CA, NV, and TX the overseeding interval can be shorter in established bermudagrass that has been overseeded with perennial ryegrass. See the next section, ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only).**

Amount of PRE-AMINE 65 WDG Lbs. Product/A	Interval (Months Before Overseeding)*		
	North	Transition	South
0.75	4	4	4
1.00	5	4	4
1.15	6	5	5
1.25	---	6	6
1.50	---	7	7
1.75	---	---	9
2.00	---	---	10
2.30	--	---	12

### ***Poa Annua* Control in Established Bermudagrass Overseeded with Perennial Ryegrass (AZ, CA, NV, and TX only)**

Use on golf courses (excluding golf course putting greens), lawns, and sod nurseries when overseeding with perennial rye grass. (Minimum seeding rate of 350 Lbs./A.)

## How Much PRE-AMINE 65 WDG and When to Apply

Amount to Apply	When to Apply	Expected Control	Use Precautions
0.58 to 1.00 lbs./A *	<b>First Application:</b> 6 to 8 weeks <b>before</b> ryegrass overseeding  <b>Second Application:</b> 4 to 8 weeks <b>after</b> overseeding or when perennial ryegrass roots are in the second inch of soil	1 application for 70% or greater control for <i>poa annua</i>  Second application may enhance control	1. Some seedling mortality and temporary reduction in root growth of new seedlings may occur. 2. To reduce the potential for seedling mortality 3. Make no more than 2 applications per year for this use, and do not exceed a total of 1.30 lbs./A per year. 4. Do not make a second application if any injury to the ryegrass is observed after the first application. 5. Do not make a second application unless the product was first applied before overseeding.

\* The amount of PRE-AMINE 65 WDG to apply depends on: the length of residual control desired (the higher the application rate, the longer the control). **Note:** The higher the rate, the greater the potential for seedling mortality.

## ORNAMENTALS (CONTAINER, FIELD AND LANDSCAPE GROWN, INCLUDING CHRISTMAS TREE FARMS), RIGHTS-OF-WAY, GROUNDS OF UTILITIES, AND UNGRAZED FENCE ROWS

PRE-AMINE 65 WDG may be applied to soil surfaces for preemergence control of many grass and broadleaf weeds:

- Around ornamental shrubs, trees, established perennial vegetation and wildflower plantings;
- On or surrounding managed rights-of-way for transportation systems including roadways, roadsides, railways, and equipment yards;
- On grounds of utilities such as power substations, tank farms, pumping stations, parking and storage areas;
- On ungrazed fence rows.

### Application, Timing, and Information

#### PRE-AMINE 65 WDG:

1. Will not control emerged weeds.
2. May be applied to newly-transplanted and established ornamentals as a broadcast or over-the-top spray.
3. Is most effective when applied to soil free of clods, weeds, and debris such as leaves and mulch.
4. Is most effective when the product is activated in the soil before weed seeds germinate and within 14 days after application.
5. Is activated when the treated area receives at least 0.5 inch of irrigation or rainfall, or shallow (1 to 2 inches) mechanical incorporation.

## Use Precautions

### To reduce injury potential:

1. Direct application of PRE-AMINE 65 WDG to rapidly growing tissue or buds may injure desirable plants. In the spring when buds are rapidly growing and expanding, over-the-top application of PRE-AMINE 65 WDG may injure new growth of desirable plants, however, these effects are temporary. To reduce the possibility of injury at this time, wait to apply PRE-AMINE 65 WDG over the top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by the over-the-top application.
2. After application immediately apply overhead irrigation to the foliage to wash PRE-AMINE 65 WDG from plant surfaces onto soil (watering the foliage of plants before application may improve the washing process).

## Ornamentals and Christmas Tree Farms - Application Sites and Instructions

Site	Application Instructions
Newly-Transplanted Container or Field Nursery Stock	<ol style="list-style-type: none"><li>1. Delay application until soil has settled around transplants.</li><li>2. Water transplants thoroughly before application.</li><li>3. Apply after cuttings form roots and are established.</li><li>4. To avoid inhibition of the tissue union, apply before budding/grafting or after buds/grafts have taken.</li></ol>
Established Container, Field Nursery Stock, or Landscape Plants	<ol style="list-style-type: none"><li>1. Apply at any time as a broadcast, over-the-top, or directed spray.</li></ol>
Landscape (or Ornamental) Plantings	<ol style="list-style-type: none"><li>1. Apply as a broadcast, over-the-top, or as a directed spray.</li><li>2. Delay applications to newly transplanted ornamentals until soil has settled around transplants.</li></ol>
Bare Ground Application For Container Placement	<ol style="list-style-type: none"><li>1. Apply to soil (including mulch, gravel, wood chips, or other permeable base) upon which containerized ornamentals are placed.</li><li>2. After PRE-AMINE 65 WDG is applied, perform shallow cultivation or hand weeding only, to avoid disturbing the herbicide barrier.</li></ol>
In Shadehouses and Uncovered Polyhouses	<ol style="list-style-type: none"><li>1. After PRE-AMINE 65 WDG is applied, uncovered polyhouses must remain open for at least 7 days and ornamentals must receive 2 irrigations totaling at least ½ inch of water before covering.</li></ol>
Ornamental Bulbs and Perennial Wildflower Plantings	<ol style="list-style-type: none"><li>1. PRE-AMINE 65 WDG may be applied to bulbs or perennial wildflower species listed in the section. Apply before or after bulbs emerge but before bulbs bloom and weeds emerge.</li><li>2. In wildflowers, a postemergence herbicide labeled for wildflowers may be needed to control weeds that have already emerged.</li></ol>

## How Much PRE-AMINE 65 WDG and When to Apply – Ornamentals

Amount to Apply (Broadcast)*	When to Apply	Comments/Instructions
1.00-2.30 lbs./A or 0.37-0.83wt. ozs./1,000 sq. ft.	In fall or spring before weeds germinate or after weeds are removed.	1. Use the higher rate for longer control. 2. PRE-AMINE 65 WDG may be applied more than once per year as long as the total amount of product applied does not exceed 2.30 lbs./A per year.

\*NOTE: For band application, calculate amount per acre:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amount to apply/acre of field}$$

## Equivalent Measurements for PRE-AMINE 65 WDG

Lbs./A	Wt. Ozs.1,000 Sq. Ft	Approximate Equivalent - Tablespoons/1,000 Sq. Ft.
1.00	0.37	1.00
1.50	0.55	1.50
2.00	0.74	2.00
2.30	0.83	2.25

## Tank Mixtures For Use On Ornamentals

PRE-AMINE 65 WDG may be tank mixed with other registered herbicides listed on this label to provide a broader spectrum of weed control or to control emerged weeds. Tank mixes with PRE-AMINE 65 WDG are for use only in states where the tank mix partner(s), application site and intended use pattern are registered.

Follow the label directions of the tank mix partners) for application rates, timing, weeds controlled, tolerant ornamentals, and specific use precautions and/or restrictions. Before combining a tank mix partner in the spray tank, test for compatibility as described on this label.

## Tank Mix Partners for PRE-AMINE 65 WDG on Ornamentals

Product	Precautions/Instructions
Goal® (use on conifers only)	Mix with PRE-AMINE 65 WDG for postemergence control of certain broadleaf weeds including malva and filaree.
Gallery®, Princep® or other simazine-based products, Pennant Magnum®	See product labels for weed spectrum and tolerant ornamentals.
Touchdown Pro®, Roundup® or other glyphosate-based products, Finale®	<ol style="list-style-type: none"> <li>1. These nonselective tank mix herbicides control many emerged annual broadleaves and grasses.</li> <li>2. Take extreme care to prevent tank mixtures with these partner products from contacting the foliage and stems of turfgrass, trees, shrubs, or other desirable vegetation because desirable vegetation may be severely injured or killed. Apply these tank mixtures as a directed spray and use a shield to prevent spray from contacting foliage of desirable plants.</li> <li>3. Following instructions on the tank mix partner's label, delay irrigation of the treated area to allow time for the herbicide to be absorbed by weed foliage.</li> </ol>

### Tolerant Ornamental Species

The species listed below in Table 1 are tolerant to PRE-AMINE 65 WDG may be used for application, except in CA, to the species in Table 2. PRE-AMINE 65 WDG may be applied over the top of the listed species. The species that are not tolerant to PRE-AMINE 65 WDG when grown in containers are indicated.

When plants are under stress (such as heat, drought, or frost damage), some cultivars of listed plants may be sensitive to PRE-AMINE 65 WDG.

**Table 1. Tolerant Ornamental Species - All States**

Scientific name	Common name
<i>Abies</i> spp.	Fir species ** (Balsam, Fraser, Noble, etc.)
<i>Acer palmatum</i>	Japanese Maple
<i>Acer platanoides</i>	Norway Maple
<i>Actinidia chinensis</i>	Kiwi *

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Agapanthus africanus</i>	Lily-of-the-Nile (African Lily)
<i>Arctostaphylos densiflora</i>	Vine Hill Manzanita
<i>Arctotheca calendula</i>	Cape Weed
<i>Aucuba japonica</i>	Japanese Acuba
<i>Berberis gladwynensis</i>	Barberry
<i>Berberis julianae</i>	Wintergreen Barberry
<i>Berberis mentorensis</i>	Mentor Barberry
<i>Berberis thunbergii</i>	Japanese Barberry
<i>Berberis verruculosa</i>	Warty Barberry
<i>Buxus microphylla</i>	Japanese Boxwood
<i>Callistemon viminalis</i>	Weeping Bottlebrush
<i>Calluna vulgaris</i>	Scotch Heather
<i>Carpobrotus edulis</i>	Hottentot Fig (Ice Plant)
<i>Cassia artemisioides</i>	Feathery Cassia
<i>Ceanothus rigidus</i>	Wild Lilac
<i>Chamaecyparis pisifera</i>	False Cypress
<i>Cleyera japonica</i>	Cleyera
<i>Citrus</i> spp.	Citrus species *
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus stolonifera</i>	American Dogwood
<i>Cortaderia selloana</i>	Pampas Grass
<i>Cotoneaster apiculatus</i>	Cranberry Cotoneaster
<i>Cotoneaster buxifolius</i>	Cotoneaster
<i>Cotoneaster dammeri</i>	Bearberry Cotoneaster
<i>Cotoneaster microphyllus</i>	Rockspray Cotoneaster
<i>Crataegus</i> spp.	Hawthorne
<i>Cupressus sempervirens</i>	Italian Cypress
<i>Delosperma alba</i>	White Trailing Ice Plant
<i>Dodonea viscosa</i>	Hop Bush
<i>Elaeagnus pungens</i>	Silverberry
<i>Euonymus fortunei</i>	Wintercreeper
<i>Euonymus japonica</i>	Japanese Spindle Tree (Evergreen Euonymus)
<i>Euonymus kiautschovicka</i>	Spreading Euonymus
<i>Fatsia japonica</i>	Japanese Aralia
<i>Forsythia intermedia</i>	Border Forsythia
<i>Forsytheia viridissima</i>	Greenstem Forsythia
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine
<i>Gladiolis</i> spp.	Gladiolis species **
<i>Hedera helix</i>	English Ivy
<i>Hibiscus</i> spp.	Rose of Sharon **
<i>Hibiscus Rosa-sinensis</i>	Chinese Hibiscus **
<i>Ilex cornuta</i>	Chinese Holly **

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Ilex crenata</i>	Japanese Holly
<i>Ilex opaca</i>	American Holly
<i>Ilex pernyi</i>	Holly
<i>Ilex vomitoria</i>	Yaupon Holly
<i>Iris</i> spp.	Iris species **
<i>Jasminum nudiflorum</i>	Winter Jasmine
<i>Juniperus chinensis</i>	Chinese Juniper
<i>Juniperus conferta</i>	Shore juniper
<i>Juniperus horizontalis</i>	Creeping Juniper
<i>Juglans</i> spp.	Walnut *
<i>Justicia brandegeana</i>	Shrimp Plant
<i>Lagerstromia indica</i>	Crape Myrtle
<i>Ligustrum amurense</i>	Amur Privet
<i>Ligustrum japonicum</i>	Japanese Privet
<i>Ligustrum lucidum</i>	Glossy Privet (Waxy-Leaf)
<i>Liriope muscari</i>	Big Blue Lillyturf
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera tatarica</i>	Tatarian Honeysuckle
<i>Magnolia</i> spp.	Magnolia species **
<i>Maleophora luteola</i>	Ice Plant
<i>Malus</i> spp.	Crabapple *
<i>Nandina domestica</i>	Heavenly Bamboo
<i>Narcissus</i> spp.	Narcissus species **
<i>Nerium</i> spp.	Oleander
<i>Olea europaea</i>	Olive *
<i>Ophiopogon japonicus</i>	Mondo Grass **
<i>Osteospermum fruticosum</i>	Trailing Africa Daisy
<i>Oxydendrum arboreum</i>	Sourwood
<i>Persea americanum</i>	Avocado *
<i>Photinia fraseri</i>	Frasier's Photinia (Redtip)
<i>Picea</i> spp.	Spruce species ** (Colorado Blue, Norway, etc.)
<i>Pieris japonica</i>	Lily-of-the-Valley Shrub
<i>Pinus brutia</i>	Calabrian Pine
<i>Pinus canariensis</i>	Canary Island Pine
<i>Pinus elliottii</i>	Slash Pine
<i>Pinus halepensis</i>	Aleppo Pine
<i>Pinus nigra</i>	Austrian Black Pine
<i>Pinus palustris</i>	Longleaf Pine
<i>Pinus radiata</i>	Monterey Pine
<i>Pinus strobus</i>	Eastern White Pine
<i>Pinus sylvestris</i>	Scotch Pine

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Pinus taeda</i>	Loblolly Pine
<i>Pinus thunbergiana</i>	Japanese Black Pine
<i>Pinus virginiana</i>	Virginia Pine
<i>Pistacia</i> spp.	Pistachio *
<i>Pittosporum rhombifolium</i>	Queensland Pittosporum
<i>Pittosporum tobira</i>	Japanese Pittosporum
<i>Podocarpus macrophyllus</i>	Japanese Yew
<i>Prunus laurocerasus</i>	English Laurel
<i>Prunus</i> spp.	Almond, Apricot, Nectarine, Peach, Plum and Prune *
<i>Pseudotsuga menziesii</i>	Douglas Fir **
<i>Pyracantha coccinea</i>	Firethorn Scarlet
<i>Pyracantha fortuneana</i>	Firethorn
<i>Pyracantha koidzumii</i>	Firethorn
<i>Pyrus</i> spp.	Bradford Pear species
<i>Quercus rubra</i>	Oak species
<i>Raphiolepis indica</i>	Indian Hawthorne
<i>Rhododendron</i> (including Azalea)	'Coral Bells' 'Formosa' 'Nino-crimson' 'PJM' 'Roseum Elegans'
<i>Rosa banksiae</i>	Lady Bank's Rose
<i>Rosmarinus officinalis</i>	Rosemary *
<i>Rumohra adiantiformis</i>	Leatherleaf Fern
<i>Santolina virens</i>	
<i>Sedum album</i>	Stonecrop
<i>Syzygium paniculatum</i>	Japanese Boxcherry
<i>Taxus cuspidata</i>	Japanese Yew
<i>Taxus media</i>	Yew
<i>Thuja occidentalis</i>	American Arborvitae
<i>Trachelospermum asiaticum</i>	Star Jasmine
<i>Tsuga canadensis</i>	Canada Hemlock
<i>Tulipa</i> spp.	Tulip species
<i>Viburnum japonicum</i>	Japanese Viburnum
<i>Viburnum odoratissimum</i>	Sweet Viburnum
<i>Viburnum plicatum</i>	Japanese Snowball
<i>Viburnum rigidum</i>	Canary Island Viburnum
<i>Viburnum tinus</i>	Laurustinus
<i>Viburnum trilobium</i>	Cranberry Bush
<i>Viburnum wrightii</i>	Leatherleaf Viburnum
<i>Vinca major</i>	Vinca

**Table 1. Tolerant Ornamental Species - All States (continued)**

Scientific name	Common name
<i>Vinca minor</i>	Dwarf Periwinkle
<i>Vitis</i> spp.	Grape *
<i>Weigela florida</i>	Old Fashioned Weigela
<i>Yucca aloifolia</i>	Spanish Bayonet
<i>Yucca flamenfosa</i>	Yucca, Adam's Needle

\* Do not use on food producing trees, vines, or plants. \*\* Not for use on container grown plants.

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California**

Scientific name	Common name
<i>Abelia grandiflora</i>	Abelia: Sherwood
<i>Achillea</i> spp.	Yarrow: King Edward
<i>Agapanthus orientalis</i>	
<i>Akebia quintata</i>	Five-Leaf or Chocolate Vine
<i>Allium cernuum</i>	Lady's Leek, Nodding Onion
<i>Anemone hybrida</i>	Japanese Anemone
<i>Aquilegia</i> spp.	Aquilegia: Red and Gold
<i>Artemisia</i> spp.	Wormwood: Silver Mound, Castle
<i>Aster</i> spp.	Aster: Bonny Blue, Purple Dome
<i>Aster X frikartii</i>	
<i>Athyrium filix-femina</i>	Lady Fern
<i>Begonia</i> spp.	Fibrous Begonia: Hardy Grandis
<i>Bergenia cordifolia</i>	
<i>Boltonia asteroides</i>	Snowbank
<i>Bougainvillea</i> spp.	Bougainvillea
<i>Buddleia davidii</i>	Butterfly Bush (Dwarf Blue); Royal Red
<i>Callistemon citrinus</i>	Crimson Bottlebrush
<i>Campanula carpatica</i>	Tussock Bellflower; (White Clips)
<i>Campis X taliabuana</i>	Trumpet Creeper, Trumpet Flower; Madam Galen
<i>Ceratostigma plumbaginoides</i>	
<i>Chrysanthemum nipponicum</i>	
<i>Coreopsis</i> spp.	Coreopsis (Calliopsis): Early Sunrise, Moonbeam
<i>Crocosmia</i> spp.	Lucifer
<i>Delosperma</i> spp.	Cooperi Pink
<i>Delphinium</i> spp.	Larkspur; Blue Elf
<i>Dianthus deltoides</i>	Dianthus, Maiden Pinks 'Zing'
<i>Dianthus gratianopolitanus</i>	Cheddar Pink
<i>Echinacea purpurea</i>	Coneflower, Purple; Magnus
<i>Forsythia suspensa</i>	Weeping Forsythia

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Gaillardia</i> spp.	Gaillardia, Blanket Flower: 'Goblin'
<i>Gaura</i> spp.	
<i>Gentiana</i> <i>dahurica</i>	
<i>Geranium</i> <i>cinereum</i>	Cranesbill
<i>Gypsophila</i> <i>repens</i>	Baby's Breath
<i>Helianthemum</i> spp.	Sunrose
<i>Hemerocallis</i> spp.	Daylily: Aztec Gold, Stella De Oro, Tender Love
<i>Heucherella</i> spp.	Coral Bell; Bridget Bloom
<i>Hibiscus</i> spp.	Mallow; Disco Bell White
<i>Hosta</i> <i>plantaginea</i>	Hosta, Plantain Lily (Fragrant)
<i>Hosta</i> <i>sieboldiana</i>	Hosta, 'Seersucker'
<i>Houttuynia</i> <i>cordata</i> var. <i>variegata</i>	
<i>Hydrangea</i> <i>macrophylla</i>	Bigleaf Hydrangea
<i>Inula</i> <i>ensifolia</i>	
<i>Iris</i> <i>ensata</i>	Sword-Leaved Iris; Jodlesong
<i>Iris</i> <i>siberica</i>	Siberian Iris; Cabernet
<i>Juniperus</i> <i>davurica</i>	Parsoni
<i>Lagerstromia</i> <i>indica</i> x <i>fauriei</i>	Crape Myrtle; Tuscarora
<i>Lantana</i> <i>montevidensis</i>	Weeping Lantana
<i>Lavender</i> spp.	Lavender; Munstead
<i>Leontopodium</i> <i>alpinum</i>	Edelweiss
<i>Ligustrum</i> <i>sinense</i>	Chinese Privet; Variegated
<i>Lilium</i> spp.	Lily: Jazz
<i>Liriope</i> <i>muscaria</i> var. <i>variegata</i>	Liriope, Variegated
<i>Liriope</i> <i>spicata</i>	Liriope, Creeping
<i>Lobelia</i> <i>cardinalis</i>	Cardinal Flower, Indian Pink
<i>Loropetalum</i> <i>chinense</i>	Burgundy
<i>Lythrum</i> spp.	Loosestrife; Modern Pink
<i>Miscanthus</i> <i>sinensis</i>	Yaku Jima **, Silberfeder **
<i>Oenothera</i> <i>missouriensis</i>	Evening Primrose
<i>Osmanthus</i> <i>heterophyllus</i>	Osmanthus (False Holly): Gulf Tide
<i>Paeonia</i> <i>suffruticosa</i>	Tree Peony
<i>Pennisetum</i> <i>setaceum</i>	Fountaingrass (Dwarf) **
<i>Perovskia</i> <i>atriplicifolia</i>	
<i>Physostegia</i> <i>virginiana</i>	Dragonhead, False; Vivid
<i>Quercus</i> <i>shumardii</i>	Oak, Shumard's Red
<i>Raphiolepis</i> <i>umbellata</i>	Yedda Hawthorne

**Table 2. Tolerant Ornamental Species/Varieties - All States Except California (continued)**

Scientific name	Common name
<i>Rhododendron</i> (including Azalea)	'Delaware Valley White' 'Flame Creeper' 'Girard Crimson' 'George L. Tabor' 'Wakeiebisu' 'White Gumpo'
<i>Rudbeckia</i> spp.	Black-Eyed Susan; Goldstrum
<i>Saxifraga</i> spp.	Saxifrage; Purple Dome
<i>Scabiosa</i> spp.	Pincushion Flower
<i>Sedum ceuticola</i>	Stonecrop; Lidakense
<i>Sedum dasyphyllum</i>	Stonecrop
<i>Sedum spurium</i>	Stonecrop; Dragon's Blood
<i>Spiraea bumalda</i>	Spirea; Anthony Waterer
<i>Syzygium paniculatum</i>	Australian Brushcherry
<i>Teucrium</i> spp.	Germander
<i>Thalictrum dipterocarpum</i>	Meadow Rue
<i>Veronica</i> spp.	Veronica, Speedwell; Sunny Border
<i>Viburnum suspensum</i>	Arrowood Viburnum

\*\* Not for use on container grown plants.

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#### **NEW PLANTINGS, REPLANTING AND ROTATIONAL PLANTINGS**

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Nursery, landscape, or non-cropped land areas treated with PRE-AMINE 65 WDG should be rotated only to ornamental species listed on this label for 1 year following application unless the following test has shown species safety:

Before planting a species not listed on this label, it is recommended that several test strips of an indicator plant such as wheat, sorghum or corn be sown into the treated area. If the indicator plants germinate and grow normally to a height of 12 inches with normal root development, it is safe to plant.

In areas disturbed by new plantings or replanting of labeled species, it may be necessary to retreat exposed soil to maintain satisfactory weed control, but do not apply more than 2.30 lbs./A per year.

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#### **CHEMIGATION INSTRUCTIONS – OVERHEAD SPRINKLER IRRIGATION APPLICATION**

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- Apply this product only through an overhead sprinkler irrigation system. Do not apply this product through any other type of irrigation system.

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result in non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
- To avoid injury to foliage, make sure foliage is sufficiently wet before application or adequate irrigation is applied after application.
- If sprinkler distribution patterns overlap excessively, injury to leatherleaf ferns and other ornamentals may result.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to public water systems unless pesticide label-prescribed safety devices for public water systems are in place
- If necessary, a person knowledgeable of the chemigation system and responsible for its operation, or someone under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

### **Operation Instructions**

1. The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely effected.
6. Systems must use a metering pump such as a positive displacement injection pump (*e.g.* diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Prepare a mixture with a minimum of 20 parts of water and 1 part PRE-AMINE 65 WDG and inject this herbicide suspension mixture into the overhead system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of metering equipment. Maintain sufficient agitation to keep the herbicide in suspension.
9. Before injecting PRE-AMINE 65 WDG into the system, run the irrigation system long enough to wet the foliage, then inject PRE-AMINE 65 WDG suspension mixture in the pesticide supply tank (see number 8 above) in 1 inch of irrigation water. After the application is complete, continue the irrigation until all residues are washed off the foliage.

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Pennant Magnum®, Princep® and TouchdownPro® are trademarks of a Syngenta Group Company

Finale® trademark of Bayer Environmental Science  
Goal® and Gallery® are trademarks of Dow AgroSciences  
Roundup® trademark of Monsanto Company

For non-emergency ( <i>e.g.</i> , current product information), call <u>PROACTIVE</u> , LLC at 1-203-740-1600.
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Product of China or India  
Formulated in the USA

Container Label

# PRE-AMINE 65 WDG

## Herbicide

For preemergence control of grass and broadleaf weeds in:

- ✓ Established turfgrasses (excluding golf course putting greens), lawns, and sod nurseries
- ✓ Container, field-grown, and landscape ornamentals
- ✓ Conifer and hardwood seedling nurseries
- ✓ Established perennial and wildflower plantings
- ✓ Non-crop areas including managed rights-of-way for transportation systems and utilities (including roadways, roadsides, railways, and equipment yards)
- ✓ Facilities including substations, tank farms, pumping stations, parking and storage areas, and ungrazed fence rows
- ✓ Christmas tree farms
- ✓ Plants grown for cut foliage production (Florida only)

Active Ingredient:

Prodiamine (CAS No. 29091-21-2) .....65.0%

Other Ingredients: .....35.0%

Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 74468-XX

EPA Est. No. XXXXXX-XX-XX

Product of China or India

Formulated in the USA

Net Contents: \_\_\_\_\_ 5 lbs. \_\_\_\_\_ 10 lbs. \_\_\_\_\_ 20 lbs.

Manufactured by:

PROACTIVE, LLC

115 Obtuse Hill Road

Brookfield, CT 06804

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

- Coveralls
- Chemical-resistant gloves such as butyl rubber >14 mils or natural rubber >14 mils or neoprene rubber >14 mils or nitrile rubber >14 mils
- Shoes plus socks

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### **PRECAUTIONARY STATEMENTS**

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#### **Hazards to Humans and Domestic Animals**

### **CAUTION**

May be harmful if swallowed, absorbed through skin, or inhaled. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious or convulsing person.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p style="text-align: center;"><b>HOT LINE NUMBER</b></p> <p style="text-align: center;">For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-222-1222</b></p>	

### **Environmental Hazards**

This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate water when disposing of equipment wash water.

### **Chemigation**

Do not apply this product through any type of irrigation system unless instructed otherwise in this label.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in original container away from feed and foodstuffs and separated from other pesticides.

For minor spills, leaks, or other accidental contamination, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-424-9300, day or night.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Paper and plastic film bags or boxes** - Completely empty container into application equipment. Then dispose of empty bag or box in a sanitary landfill or incinerate; or, if allowed by state and local authorities, burn locally. Stay out of smoke from burning container.

**Fiber drums with plastic liners** - Completely empty the plastic liner by shaking and tapping sides and bottom to loosen clinging particles. Pour residues into application equipment. Dispose of empty liner in an incineration facility. Offer the fiber drum for recycling or re-use. If the fiber drum cannot be recycled or re-used, dispose of at an incineration facility.

**Non-refillable plastic containers.** Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**Non-refillable containers less than 5 gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Tip container on its side and roll back and forth, ensuring at least one revolution for 30 seconds. Stand the container on its end and tip back and forth several times. Empty the rinsate into application equipment or a tank mix or store rinsate for later use or disposal. Repeat this procedure two more times.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond ProActive, LLC's control it is impossible for ProActive, LLC to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, PROACTIVE, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of ProActive, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. ProActive, LLC disclaims any liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT PROACTIVE, LLC ELECTION, THE REPLACEMENT OF PRODUCT.

FOR OFFICIAL USE ONLY

FILE SYMBOL

74468-RR

REGISTRATION NO.

## CONFIDENTIAL STATEMENT OF FORMULA ENCLOSED

DATE SUBMITTED	SUBMITTED BY (✓)	
	APPLICANT	BASIC SUPPLIER
4/10/09		

**Do Not Write Comments,  
Formula, or Parts of Formula  
on This Envelope**

### NOTE

It shall be unlawful—for any person to use for his own advantage or to reveal, other than to the Secretary, or officials or employees of the United States Department of Agriculture or other Federal agencies, or to the courts in response to a subpoena, or to physicians, and in emergencies to pharmacists and other qualified persons, for use in the preparation of antidotes, in accordance with such directions as the Secretary may prescribe, any information relative to formulas of products acquired by authority of Section 4 of the "Federal Insecticide, Fungicide, and Rodenticide Act."

